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# MEMORANDUM

TO: Sheila Desai, U.S. EPA
JQ for GC JQ

REF. NO.: 056394-06-0001

FROM: Greg Carli/Jeni Quigley/jq/11/Pwl.

DATE: June 27, 2012

CC: Paul Bucholtz, MDEQ
Jeffrey Lifka, Tetra Tech
Richard Gay, Weyerhaeuser



**RE: Michigan Gas Utilities and Michigan Department of Transportation Utility Lines**
**Former Plainwell, Inc. Mill Property**
**Plainwell, Michigan**

Conestoga-Rovers & Associates (CRA) was retained by Weyerhaeuser Company (Weyerhaeuser) to conduct Remedial Investigation/Feasibility Study (RI/FS) activities at the former Plainwell, Inc. Mill Property located at 200 Allegan Street in Plainwell, Michigan (Site). The RI/FS activities are being conducted in accordance with the terms of the consent decree for the Design and Implementation of Certain Response Actions at Operable Unit No. 4 and the Plainwell, Inc. Mill Property Operable Unit No. 7 of the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site (Consent Decree), which became effective February 22, 2005 and are currently on-going. In addition to the ongoing RI/FS evaluations being conducted at the Site by Weyerhaeuser, the City of Plainwell and CRA 200 Allegan Street LLC, the current property owners, are initiating property redevelopment activities on portions of the Site. Activities related to the upgrades to M-89 adjacent to the Site, including the installation of a natural gas pipeline by Michigan Gas Utilities, and the installation of two storm sewer lines by the Michigan Department of Transportation (MDOT) that traverse portions of the Site also have the potential to affect the Site. Figure 1 shows the natural gas and storm sewer line installation locations.

Natural gas line and storm sewer installation activities were conducted in March and April 2012. During natural gas and storm sewer line installation activities, visual evidence of a variety of fill materials was observed, including demolition type-debris (bricks, lumber, concrete, wires, floor tile, potential transite paneling, metal pipe, etc.), fly ash, coal fragments, and potential paper residuals. Approximate areas of observed fill materials are shown on Figure 1. During the removal of the existing subsurface materials and the subsequent backfilling of areas excavated for the installation of the aforementioned utility lines, some of the former subsurface materials were noted to remain at ground surface. The movement of the materials previously present below the current Site grade to the surface, which could be impacted at concentrations above the Michigan Act 451, Part 201 Generic Cleanup Criteria (Part 201 Criteria), has the potential for exacerbation of pre-excavation conditions at these portions of the Site and impact the conclusions of the RI report. Based on this potential, the below evaluation of pre-RI and RI data in the general vicinity of the utility line installation was performed. It should be noted that the below discussion and attached tables referenced herein constitute a portion of the available information for the Site, which is provided in the revised RI Report submitted to the United States Environmental Protection Agency (U.S. EPA) on April 20, 2012. Data not discussed herein is considered unchanged from the RI. Please refer to the revised RI Report for the complete analytical results and comparison to the Part 201 Criteria. For the purposes of this evaluation, analytical results for soil samples have been compared to the following Part 201 Criteria:

- State Default Background (as applicable)(SDBL)
- Soil Volatilization to Indoor Air Inhalation Criteria (SVIAC)
- Volatile Soil Inhalation Criteria (VSIC)
- Particulate Soil Inhalation Criteria (PSIC)
- Direct Contact Criteria (DCC)
- Soil Saturation Concentration Screening Levels ($C_{sat}$)

The Drinking Water Protection Criteria (DWPC), Groundwater Surface Water Interface Protection Criteria (GSIPC), and Groundwater Contact Protection Criteria (GCPC) were not utilized in this evaluation due to the fact that movement of materials exceeding these criteria would not exacerbate conditions relative to the threat to groundwater from pre-existing conditions. Comparison of the soil results to these criteria is presented in the revised RI Report. Exceedances of the above Part 201 Criteria relative to the orientation of the natural gas and storm sewer lines are discussed below and provided in the attached tables by parameter group. Figures 2 through 10 show sample locations relative to the utility line installation areas for redevelopment areas Residential Areas 1 through 3, Mixed Residential/Commercial Areas 1 and 2, and Commercial Areas 1 through 4. No utility lines were installed in redevelopment areas Residential Area 4 and Waterfront Plaza.

For the purposes of this memorandum, the following assumptions were made regarding depth below ground surface (bgs) for the installation of the below grade utility lines, based on information available to CRA at the time this memorandum was prepared:

- The maximum depth for the Michigan Gas Utilities lines was 6 feet bgs.
- The Michigan Gas Utilities lines completed along the western boundary of Residential Area 1 and the southern boundary of Commercial Area 4 were direct bore, with no materials displaced, with the exception of a slurry that was staged on-Site.
- The maximum depth for the MDOT Prince Street sewer line was 9 feet bgs.
- The maximum depth for the MDOT Church Street sewer line was 11 feet bgs.

**Volatile Organic Compounds and Semi-Volatile Organic Compounds**

Table 1 presents a summary of select Part 201 volatile organic compound (VOC) and semi-volatile organic compound (SVOC) exceedances in soil. Redevelopment areas with VOC and/or SVOC exceedances include Residential Area 4, Mixed Residential/Commercial Area 2 and Commercial Area 4. Locations of samples are presented on Figures 6 and 10 for Mixed Residential/Commercial Area 2 and Commercial Area 4. No utility lines were installed in Residential Area 4.

None of the exceedances of the Part 201 Criteria in Mixed Residential/Commercial Area 2 are located near the utility line installation activities, with the exception of SBA-2A, which is an exceedance of the Part 201 Residential DCC at 0 to 2 feet bgs. Based on the fact that the exceedance was initially present at ground surface, in a location most likely to be encountered by direct contact, movement of soils in this area from the ground surface to a position deeper below ground surface, if conducted as part of the utility line work, would not be expected to exacerbate conditions or alter the conclusions of the RI. None of the Part 201

Criteria exceedances in Commercial Area 4 are located in close proximity to the utility line installation activities.

Based on samples collected to date and the above, no potential exacerbation of soil contamination relative to detected VOCs or SVOCs was identified associated with the natural gas line and storm sewer installation and the conclusions of the RI remain valid.

**Polychlorinated Biphenyls**

Table 2 presents a summary of select Part 201 polychlorinated biphenyl (PCB) exceedances in soil. Redevelopment areas with PCB exceedances include Residential Area 4 and Commercial Area 4. Locations of samples are presented on Figure 10 for Commercial Area 4. No utility lines were installed in Residential Area 4.

None of the Part 201 Criteria exceedances in Commercial Area 4 are located in close proximity to the utility line installation activities.

Table 3 presents a summary of PCB results in soil samples collected, including observed media sampled, specifically related to potential paper residuals or what were described to be paper residuals, and fill materials containing potential paper residuals. Based on the results, PCB concentrations in the observed materials comprised of or including potential paper residuals ranged from non-detect to 13.8 milligrams per kilogram (mg/kg). Only one of the samples (from 5.5 to 7.5 feet bgs at SB-301) from the observed potential paper residuals or materials containing potential paper residuals exceeded the Part 201 Residential Criteria, and this location is in Residential Area 4, where no utility installation activities occurred. It should be noted that "gray material" was observed in the 4 to 6-foot sample collected from TP-313, also in Residential Area 4, where no utility installation activities occurred, which was identified to have a concentration of PCBs at 37.9 mg/kg.

Based on samples collected to date and the above, no potential exacerbation of soil contamination relative to detected PCBs was identified associated with the natural gas line and storm sewer installation and the conclusions of the RI remain valid.

**Metals**

Review of analytical data for metals to the select Part 201 criteria identified above indicated that exceedances are present for lead, manganese and arsenic.

Table 4 presents a summary of select Part 201 lead and manganese exceedances in soil. Redevelopment areas with lead and manganese exceedances include Residential Area 4, Mixed Residential/Commercial Areas 1 and 2, and Commercial Areas 1 and 4. No utility lines were installed in Residential Area 4. Figures 5, 6, 7, and 10 show sample locations relative to the utility line installation areas for redevelopment areas Mixed Residential/Commercial Areas 1 and 2, and Commercial Areas 1 and 4, respectively.

None of the exceedances of the Part 201 Criteria in Mixed Residential/Commercial Area 2 or Commercial Area 4 are located near the utility line installation activities. Manganese is present in Mixed Residential/Commercial Area 1 and Commercial Area 1 at concentrations above the Part 201 PSIC in the soil samples collected from TP-334 at 0 to 1-foot bgs and SS-105 at 0 to 2 feet bgs, respectively. Based on the

fact that the exceedances were initially present at ground surface, movement of soils in this area from the ground surface to a position deeper below ground surface, if conducted as part of the utility line work, would not be expected to exacerbate conditions or alter the conclusions of the RI.

Table 5 presents a summary of select Part 201 arsenic exceedances in soil. Redevelopment areas with arsenic exceedances include Residential Area 4, Mixed Residential/Commercial Area 2 and Commercial Area 4. Figures 2 through 10 show sample locations relative to the utility line installation areas for redevelopment areas Residential Areas 1 through 3, Mixed Residential/Commercial Areas 1 and 2, and Commercial Areas 1 through 4, respectively.

The soil samples collected from SB-111 from 7 to 9 feet bgs, SB-113 from 8 to 10 feet bgs, and from 3A (Lagoon J) from 4.5 to 5 feet bgs were collected in close proximity to the Prince Street storm sewer line, with arsenic concentrations of 7.8 mg/kg, 10.5 mg/kg, and 9 mg/kg, respectively, which are above the Part 201 Residential DCC of 7.6 mg/kg, but below the Part 201 Non-Residential DCC of 37 mg/kg. Surficial soil samples were also collected from SB-111 and SB-113 from 0 to 1-foot bgs; however, the arsenic concentrations detected in these samples were not above the Part 201 Residential DCC (i.e., less than 7.6 mg/kg). If soils from the aforementioned sampled intervals remain at the surface, the conditions in this area could potentially exacerbate surficial conditions in this area relative to arsenic. No other exceedances of the Part 201 Criteria in Residential Areas 1 through 3, Mixed Residential/Commercial Areas 1 and 2, and Commercial Areas 1 through 4 are located in close proximity to the utility line installation activities.

Based on samples collected to date and the above, potential exacerbation of soil contamination relative to arsenic was identified associated with the Prince Street storm sewer installation in the vicinity of SB-111, SB-113, and 3A in the area of former Lagoon J. However, given that arsenic is present at ranges similar to the concentrations where potential exacerbation may have occurred, this potential exacerbation will not significantly impact the conclusions of the RI. No other potential exacerbation of soil contamination relative to detected metals was identified associated with the natural gas line and storm sewer installation.

# FIGURES


REDEVELOPMENT AREA

- COMMERCIAL AREA 1
- COMMERCIAL AREA 2
- COMMERCIAL AREA 3
- MIXED RESIDENTIAL/COMMERCIAL AREA 1
- MIXED RESIDENTIAL/COMMERCIAL AREA 2
- COMMERCIAL AREA 4
- RESIDENTIAL AREA 1
- RESIDENTIAL AREA 2
- RESIDENTIAL AREA 3
- RESIDENTIAL AREA 4
- WATERFRONT PLAZA

| № | Revision | Date | Initial |
|---|---|---|---|
| | | | |

0 60 120ft

LEGEND

- PROPERTY BOUNDARY
- FORMER FEATURE
- TREE LINE
- FENCE LINE
- RAILROAD
- SURFACE WATER
- ASSUMED GAS WITH EASEMENT LINE
- PROPOSED MDOT STORM SEWER EASMENT BOUNDARY
- PROPOSED MDOT STORM SEWER
- APPROXIMATE AREA OF OBSERVED FILL MATERIALS

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

| Status | Date | Initial |
|---|---|---|

# FORMER PLAINWELL, INC. MILL PROPERTY PLAINWELL, MICHIGAN

## FORMER PLAINWELL, INC. MILL PROPERTY LAYOUT

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

| Project Manager: | Reviewed By: | Date: | |
|---|---|---|---|
| J.Q. | L.C. | MAY 2012 | |
| Scale: 1:120 | Project №: 056394-06 | Report №: MEMO011 | Drawing №: figure 1 |

056394-06(MEMO011)GN-DE001 JUN 21/2012

0 20 60ft

KEY MAP

LEGEND

- PROPERTY BOUNDARY
- RESIDENTIAL AREA 1 BOUNDARY
- TREE LINE
- FENCE LINE
- FORMER FEATURE
- SURFACE WATER
- ASSUMED GAS WITH EASEMENT LINE
- PROPOSED MDOT STORM SEWER EASMENT BOUNDARY
- PROPOSED MDOT STORM SEWER
- SG-1 STAFF GAUGE LOCATION - PHASE I RI
- SB-283 SOIL BORING LOCATION - PHASE II RI
- MW-5 MONITORING WELL LOCATION - PHASE I & II RI
- SS-101 SURFACE SOIL SAMPLE LOCATION - PHASE II RI
- VA-1 VERTICAL AQUIFER SAMPLE LOCATION - PHASE II RI
- PREVIOUS SOIL SAMPLE LOCATION (BBL, 1994)
- PREVIOUS SOIL SAMPLE LOCATION (ERM, 1997)
- PREVIOUS SOIL BORING LOCATION (FTC&H, 2006)

FORMER WASTEWATER SLUDGE DEWATERING LAGOONS (1954-1981)

FORMER PLAINWELL MILL WASTEWATER TREATMENT BUILDING ACTIVATED SLUDGE TANK, AND SECONDARY CLARIFIER (POST 1983)

KALAMAZOO RIVER

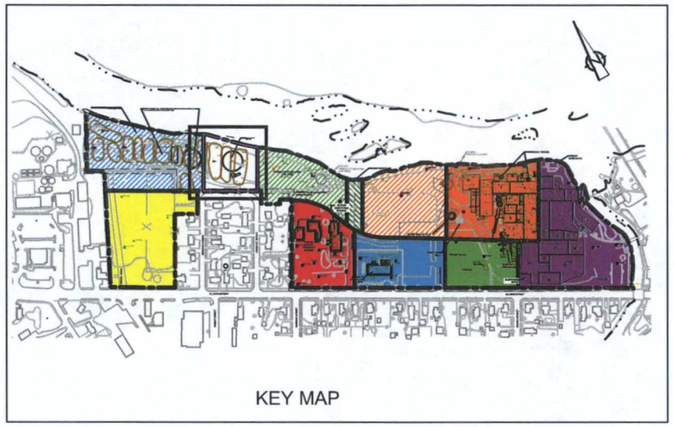
SG-3
SB-106
SB-101
MW-12
SPL-1
SB/TW-3
L
SGWB-1
SB-107
SB-108
SB-110
SB-102
SB-112
SB-116
SB-118
SB-103
SB-104
MW-11
SPL-11
4A
SB-114
3A
1A
SB-4
M
2A
SB-2
MW-13
VA-1
SPL-2
I
J
H
G
F
E
D
SB-120
SB-122
N
SB-111
1B
SB-109
2B
3B
SB-113
4B
SB-115
SB-117
SB-119
SB-121
SB-123
MW-14
SGWB-2
SB-132
K
SS-100
SB-143

figure 2

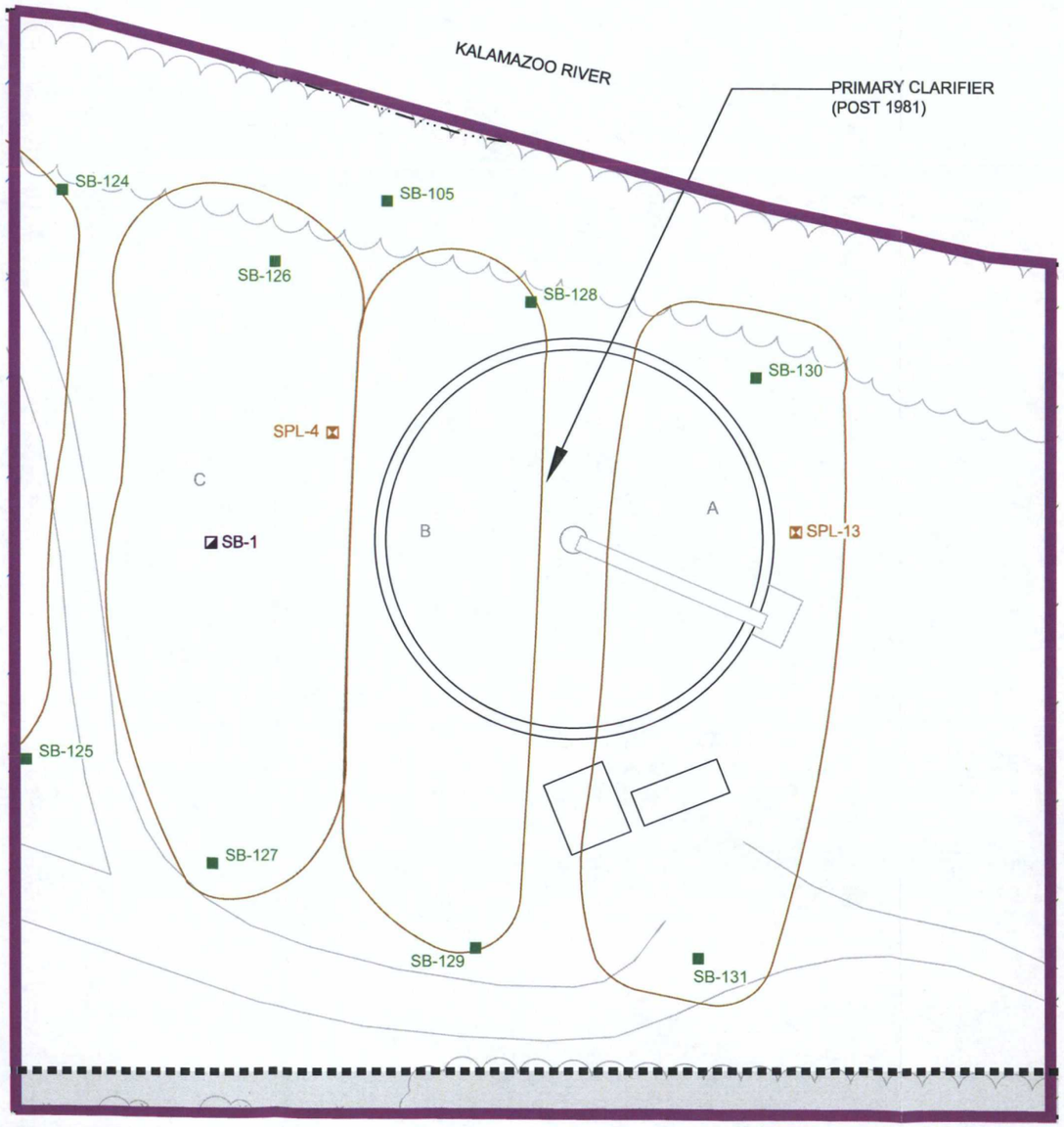
SAMPLE LOCATIONS - RESIDENTIAL AREA 1
FORMER PLAINWELL, INC. MILL PROPERTY
*Plainwell, Michigan*

056394-06(MEMO011)GN-DE002 MAY 09/2012

0 20 40ft



KEY MAP



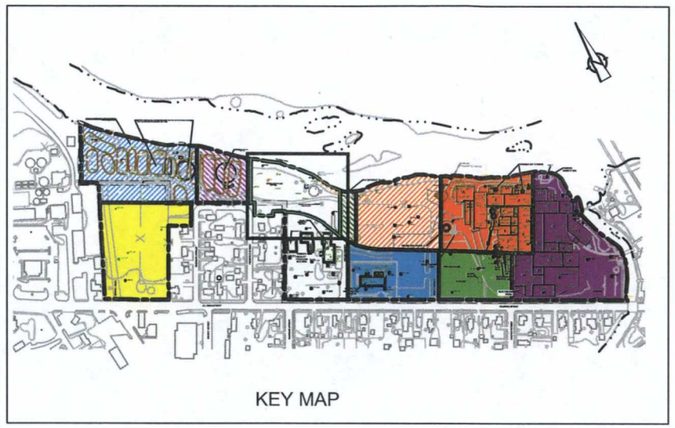

LEGEND

- PROPERTY BOUNDARY
- RESIDENTIAL AREA 2 BOUNDARY
- TREE LINE
- FENCE LINE
- FORMER FEATURE
- SURFACE WATER
- ASSUMED GAS WITH EASEMENT LINE
- SB-283 SOIL BORING LOCATION - PHASE II RI
- PREVIOUS SOIL SAMPLE LOCATION (BBL, 1994)
- PREVIOUS SOIL BORING LOCATION (FTC&H, 2006)

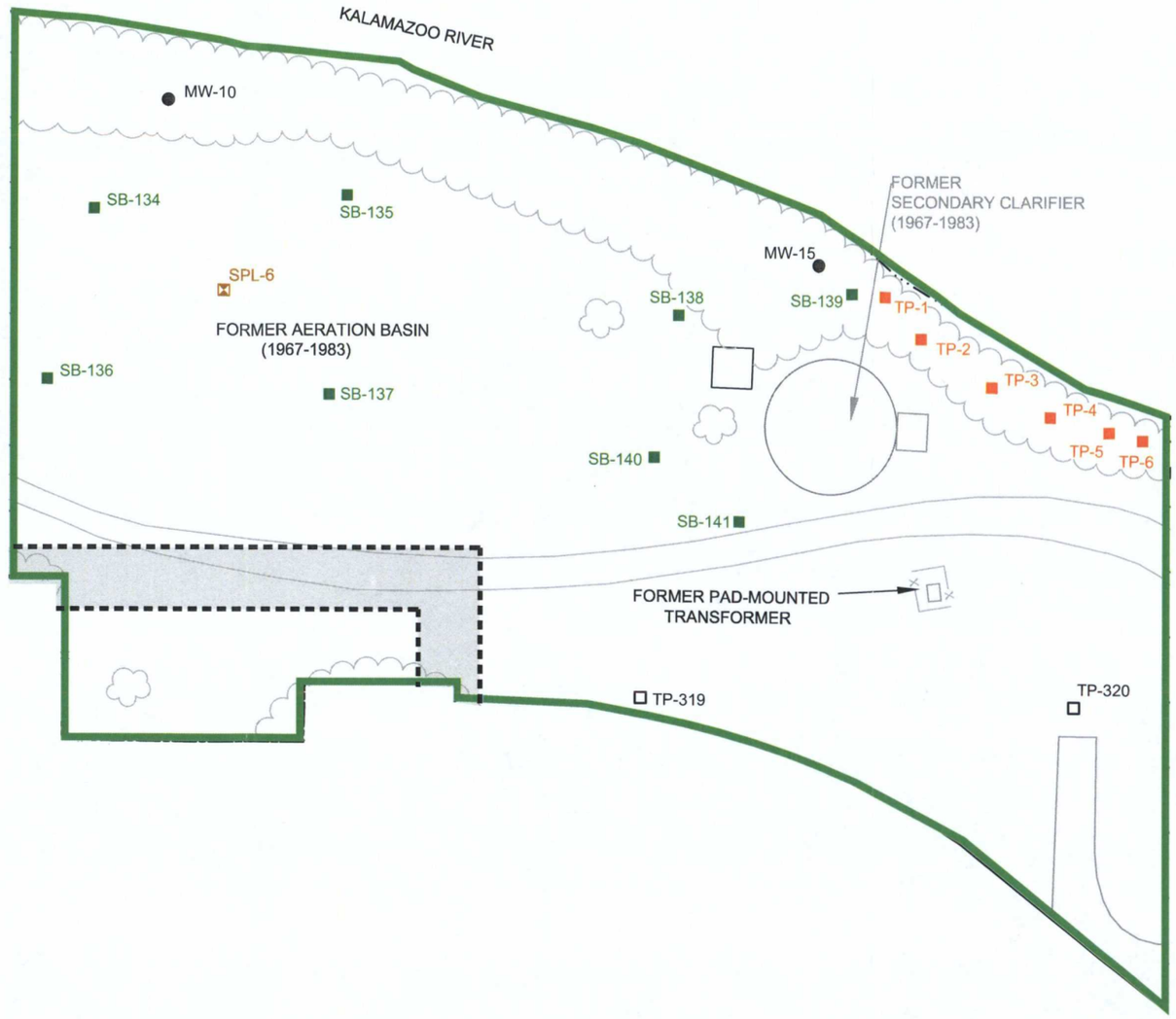
figure 3

SAMPLE LOCATIONS - RESIDENTIAL AREA 2
FORMER PLAINWELL, INC. MILL PROPERTY
*Plainwell, Michigan*

0 20 60ft



KEY MAP



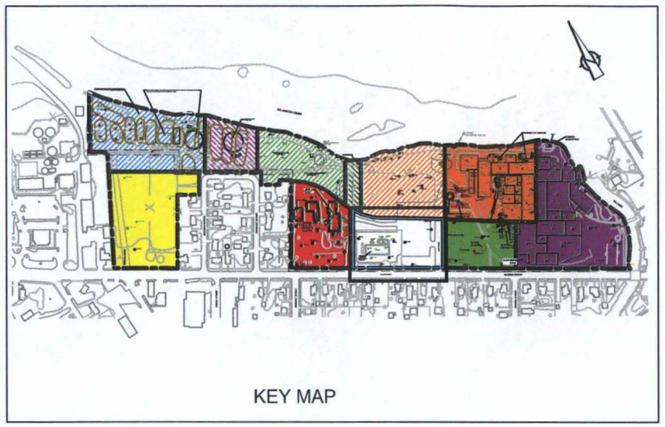

LEGEND

- PROPERTY BOUNDARY
- RESIDENTIAL AREA 3 BOUNDARY
- TREE LINE
- FENCE LINE
- FORMER FEATURE
- SURFACE WATER
- ASSUMED GAS WITH EASEMENT LINE
- SB-283 SOIL BORING LOCATION - PHASE II RI
- TP-339 TEST PIT LOCATION - PHASE II RI
- MW-5 MONITORING WELL LOCATION - PHASE I & II RI
- PREVIOUS SOIL SAMPLE LOCATION (BBL, 1994)
- PREVIOUS TEST PIT EXCAVATION LOCATION (RMT, 2008)

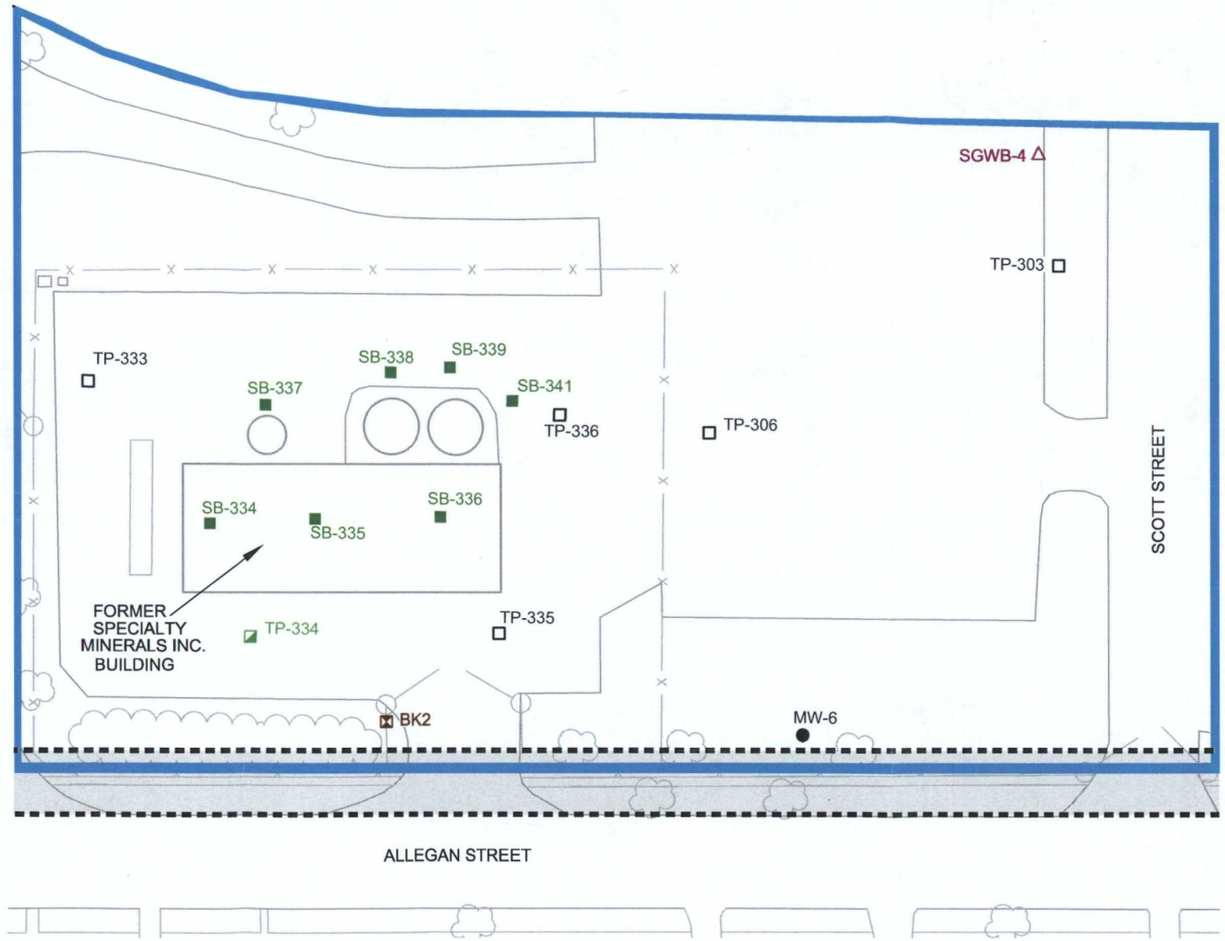
figure 4

# SAMPLE LOCATIONS - RESIDENTIAL AREA 3
# FORMER PLAINWELL, INC. MILL PROPERTY
*Plainwell, Michigan*

0 20 60ft



KEY MAP



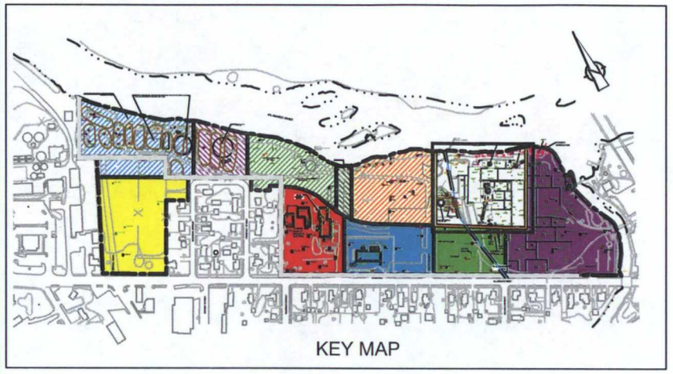

LEGEND

- PROPERTY BOUNDARY
- MIXED RESIDENTIAL/COMMERCIAL AREA 1 BOUNDARY
- TREE LINE
- FENCE LINE
- FORMER FEATURE
- ASSUMED GAS WITH EASEMENT LINE
- SB-283 SOIL BORING LOCATION - PHASE II RI
- TP-339 TEST PIT LOCATION - PHASE II RI
- MW-5 MONITORING WELL LOCATION - PHASE I & II RI
- PREVIOUS SOIL SAMPLE LOCATION (ERM, 1997)
- PREVIOUS GROUNDWATER SAMPLE LOCATION (ERM, 1997)

figure 5

SAMPLE LOCATIONS - MIXED RESIDENTIAL/COMMERCIAL AREA 1
FORMER PLAINWELL, INC. MILL PROPERTY
*Plainwell, Michigan*

0 20 60ft



KEY MAP

LEGEND

- PROPERTY BOUNDARY
- MIXED RESIDENTIAL/COMMERICAL AREA 2 BOUNDARY
- TREE LINE
- FENCE LINE
- RAILROAD
- SURFACE WATER
- FORMER FEATURE
- ASSUMED GAS WITH EASEMENT LINE
- PROPOSED MDOT STORM SEWER EASEMENT BOUNDARY
- PROPOSED MDOT STORM SEWER
- SB-283 SOIL BORING LOCATION - PHASE II RI
- TP-339 TEST PIT LOCATION - PHASE II RI
- TW-246 TEMPORARY WELL LOCATION - PHASE II RI
- MW-5 MONITORING WELL LOCATION - PHASE I & II RI
- VA-1 VERTICAL AQUIFER SAMPLE LOCATION - PHASE II RI
- CTP-4 SOIL SAMPLE LOCATION - PHASE I RI
- TP-1 TEST PIT LOCATION - PHASE I RI
- SG-2 STAFF GAUGE - PHASE I RI
- PREVIOUS SOIL SAMPLE LOCATION (TAPLIN ENVIRONMENTAL SERVICES, 1999)
- PREVIOUS SOIL SAMPLE LOCATION (BBL, 1994)
- PREVIOUS SOIL SAMPLE LOCATION (ERM, 1997)
- PREVIOUS SOIL BORING LOCATION (FTC&H, 2006)
- PREVIOUS TEMPORARY WELL LOCATION (FTC&H, 2006)
- PREVIOUS GROUNDWATER SAMPLE LOCATION (ERM, 1997)

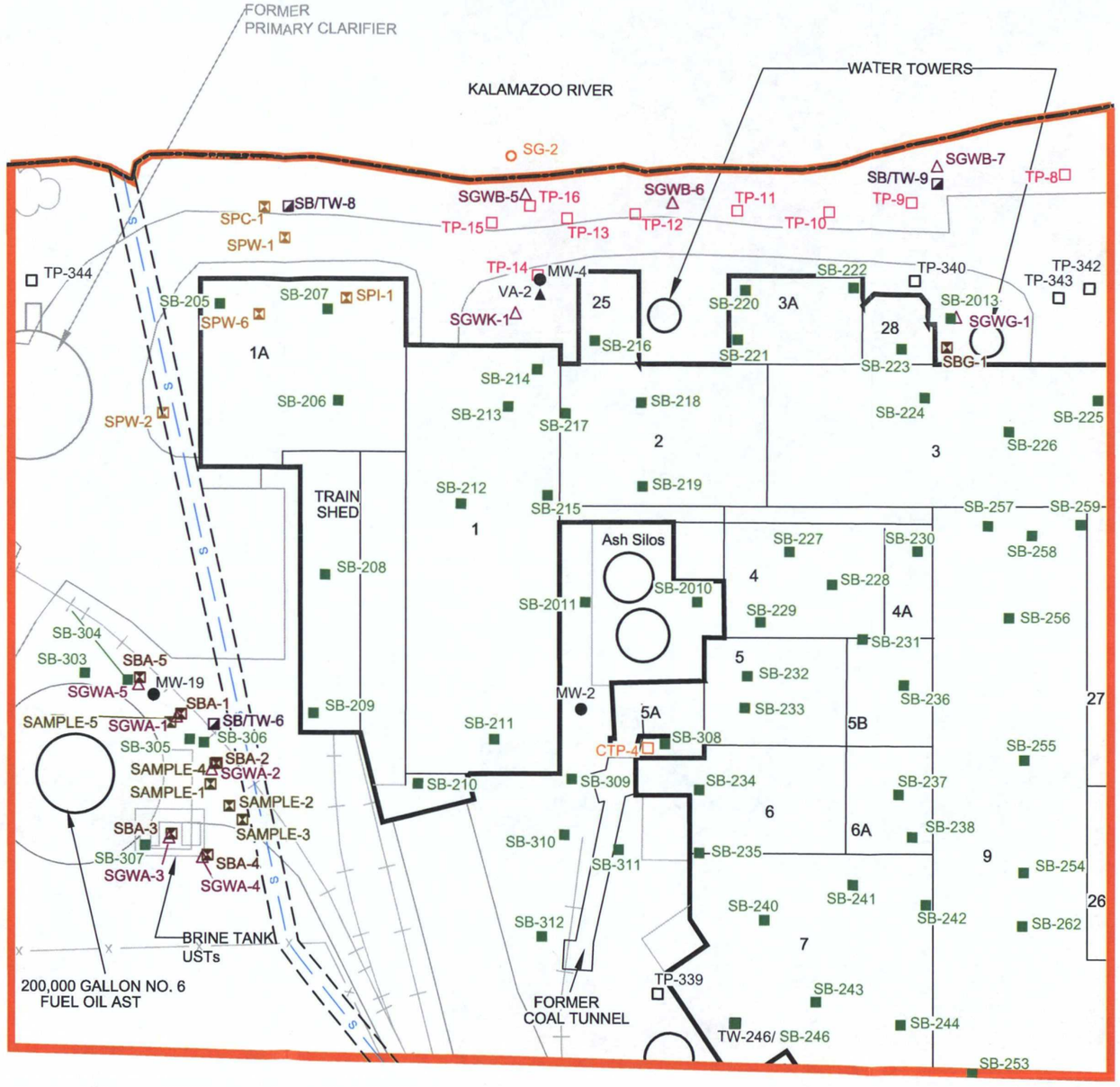
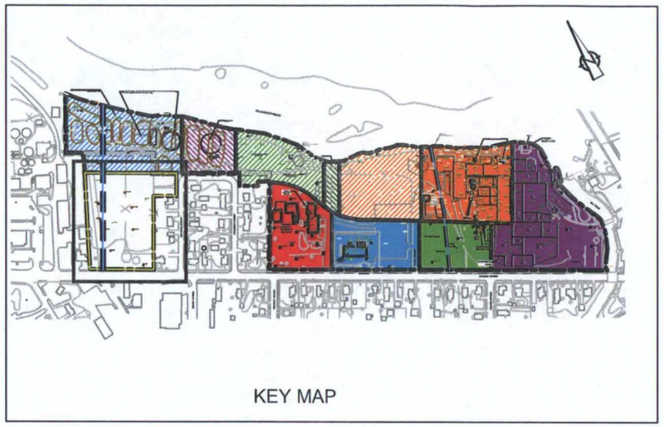



figure 6

SAMPLE LOCATIONS - MIXED RESIDENTIAL/COMMERCIAL AREA 2
FORMER PLAINWELL, INC. MILL PROPERTY
*Plainwell, Michigan*

0 20 60ft



KEY MAP

LEGEND

- PROPERTY BOUNDARY
- COMMERICAL AREA 1 BOUNDARY
- TREE LINE
- FENCE LINE
- FORMER FEATURE
- ASSUMED GAS WITH EASEMENT LINE
- PROPOSED MDOT STORM SEWER EASEMENT BOUNDARY
- PROPOSED MDOT STORM SEWER
- SB-283 SOIL BORING LOCATION - PHASE II RI
- MW-5 MONITORING WELL LOCATION - PHASE I & II RI
- SS-101 SURFACE SOIL SAMPLE LOCATION - PHASE II RI

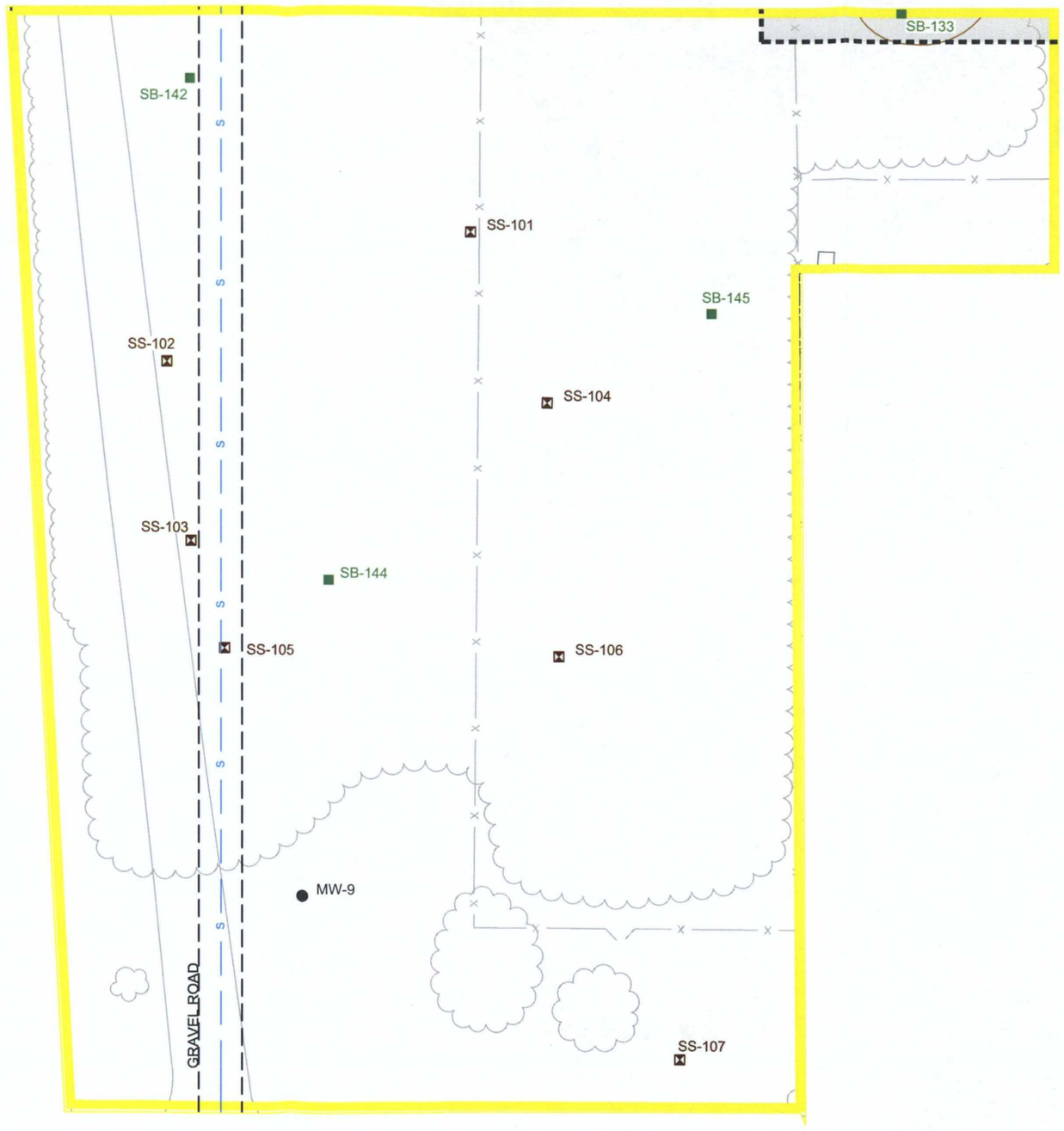
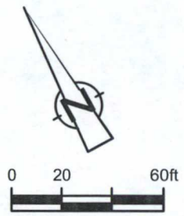
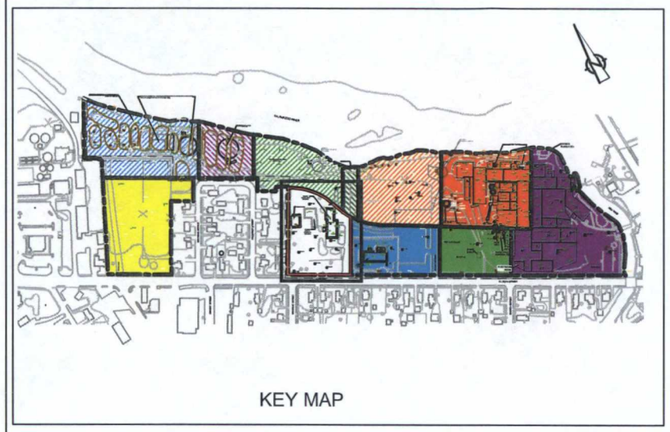



figure 7

SAMPLE LOCATIONS - COMMERCIAL AREA 1
FORMER PLAINWELL, INC. MILL PROPERTY
*Plainwell, Michigan*




LEGEND

- PROPERTY BOUNDARY
- COMMERICAL AREA 2 BOUNDARY
- TREE LINE
- FENCE LINE
- ASSUMED GAS WITH EASEMENT LINE
- SB-283 SOIL BORING LOCATION - PHASE II RI
- TP-339 TEST PIT LOCATION - PHASE II RI
- TW-246 TEMPORARY WELL LOCATION - PHASE II RI
- PREVIOUS SOIL SAMPLE LOCATION (ERM, 1997)

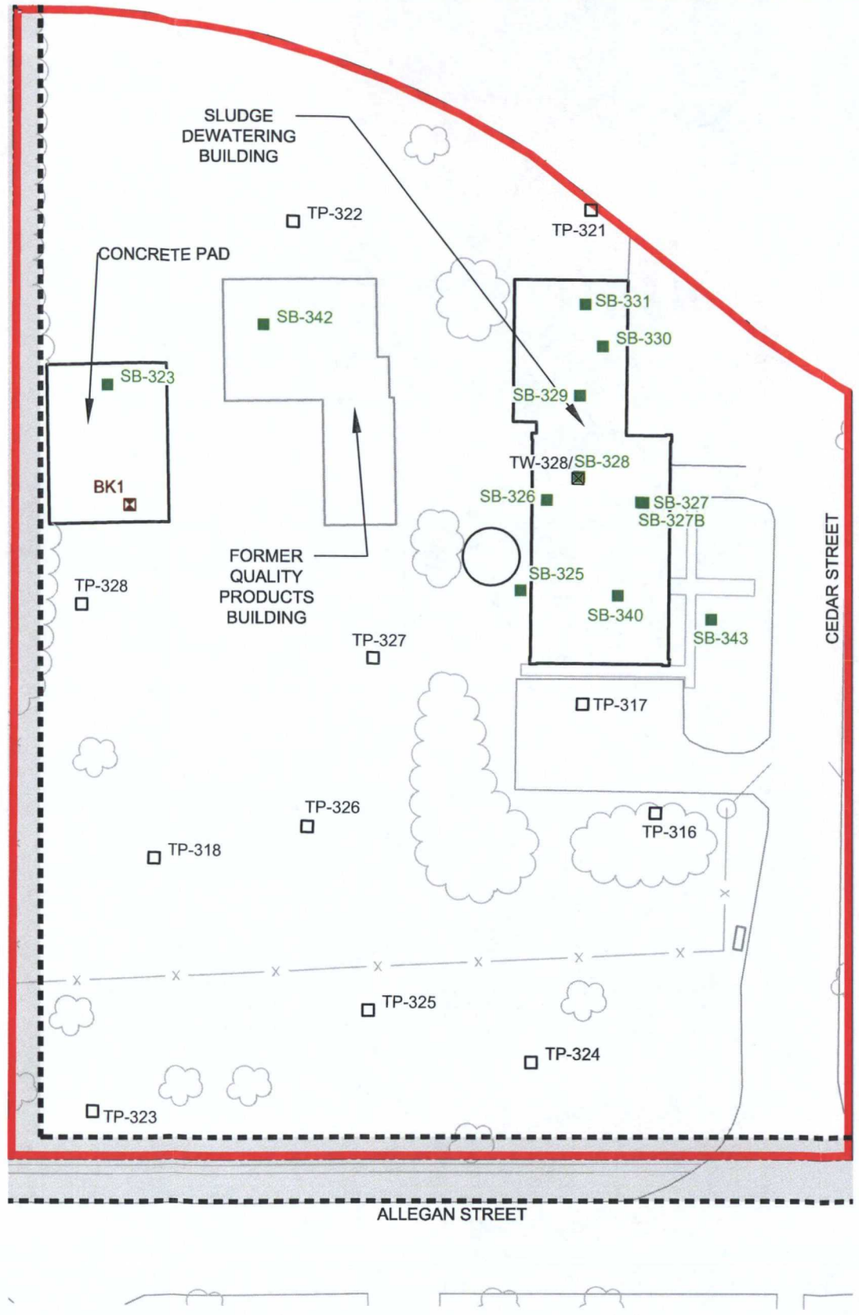
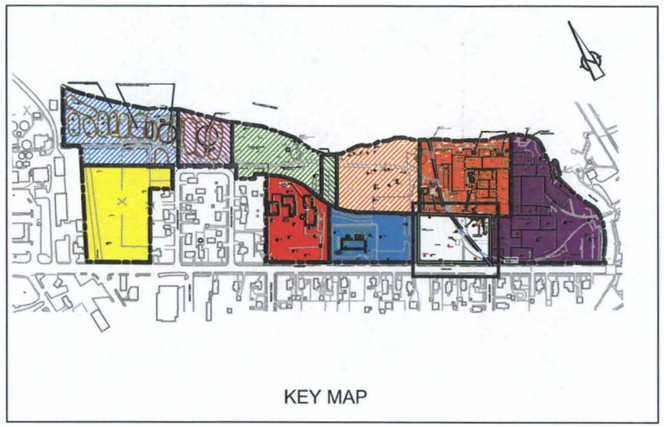


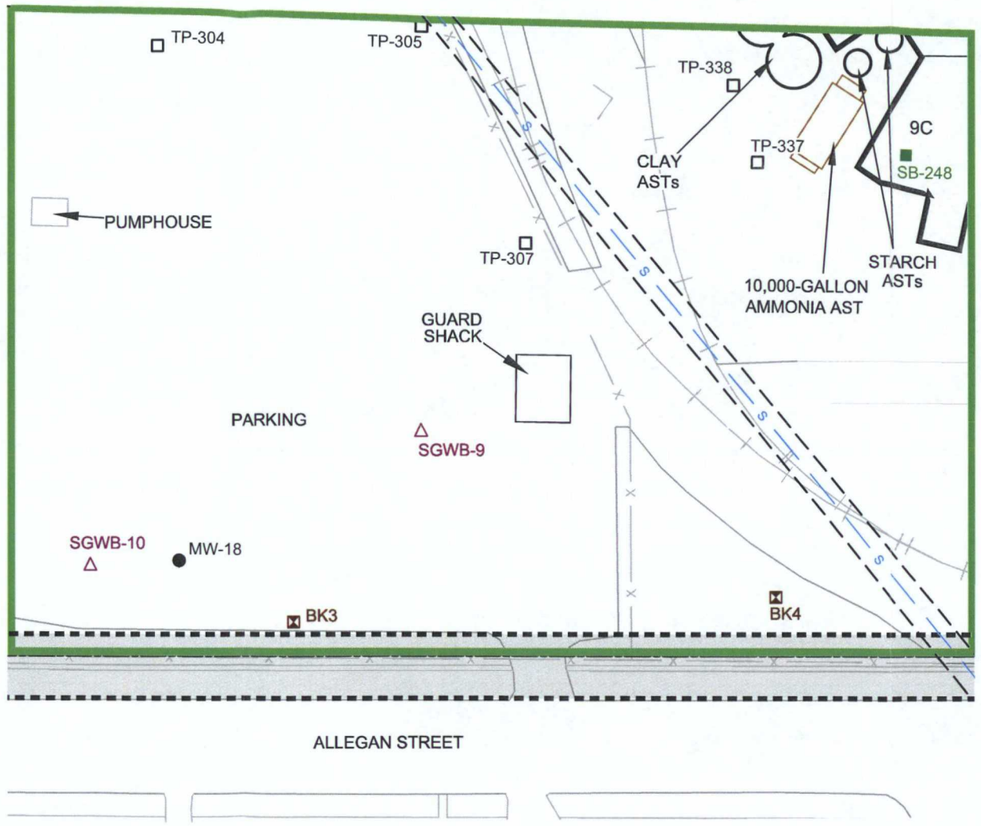

figure 8

SAMPLE LOCATIONS - COMMERCIAL AREA 2
FORMER PLAINWELL, INC. MILL PROPERTY
*Plainwell, Michigan*

0 20 60ft



KEY MAP




LEGEND

- PROPERTY BOUNDARY
- COMMERICAL AREA 3 BOUNDARY
- FENCE LINE
- RAILROAD
- FORMER FEATURE
- ASSUMED GAS WITH EASEMENT LINE
- PROPOSED MDOT STORM SEWER EASEMENT BOUNDARY
- PROPOSED MDOT STORM SEWER
- SB-283 SOIL BORING LOCATION - PHASE II RI
- TP-339 TEST PIT LOCATION - PHASE II RI
- MW-5 MONITORING WELL LOCATION - PHASE I & II RI
- PREVIOUS SOIL SAMPLE LOCATION (ERM, 1997)
- PREVIOUS GROUNDWATER SAMPLE LOCATION (ERM, 1997)

figure 9

SAMPLE LOCATIONS - COMMERCIAL AREA 3
FORMER PLAINWELL, INC. MILL PROPERTY
*Plainwell, Michigan*

0 40 80ft

KEY MAP

LEGEND

- PROPERTY BOUNDARY
- COMMERICAL AREA 4 BOUNDARY
- TREE LINE
- FENCE LINE
- RAILROAD
- SURFACE WATER
- FORMER FEATURE
- ASSUMED GAS WITH EASEMENT LINE
- PROPOSED MDOT STORM SEWER EASEMENT BOUNDARY
- PROPOSED MDOT STORM SEWER

- SB-283 SOIL BORING LOCATION - PHASE II RI
- TP-339 TEST PIT LOCATION - PHASE II RI
- TW-246 TEMPORARY WELL LOCATION - PHASE II RI
- MW-5 MONITORING WELL LOCATION - PHASE I & II RI
- TP-1 TEST PIT LOCATION - PHASE I RI
- SG-3 STAFF GAUGE - PHASE I RI
- PREVIOUS SOIL SAMPLE LOCATION (ERM, 1997)
- PREVIOUS GROUNDWATER SAMPLE LOCATION (ERM, 1997)
- SOIL BORING LOCATION - FANNIE PELL BRIDGE FOOTING
- PREVIOUS SOIL SAMPLE LOCATION (CDM, 2001)

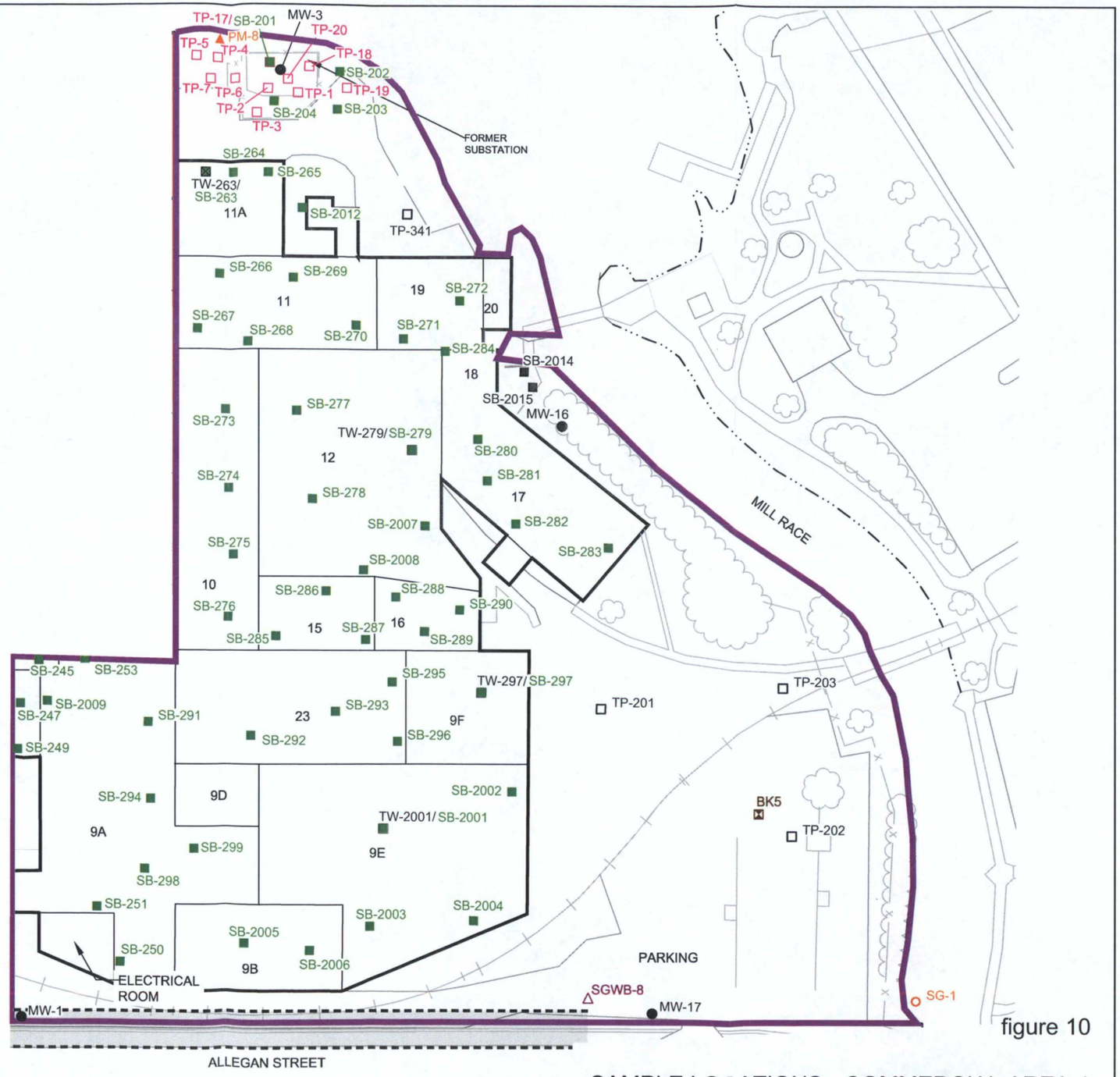



figure 10

SAMPLE LOCATIONS - COMMERCIAL AREA 4
FORMER PLAINWELL, INC. MILL PROPERTY
*Plainwell, Michigan*

# TABLES

# TABLE 1

## SUMMARY OF SELECT PART 201 SVOC AND VOC EXCEEDANCES IN SOIL
## FORMER PLAINWELL, INC. MILL PROPERTY
## PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|
| DG3 | Residential Area 4 | 0 - 1.5 | Benzo(a)pyrene | 4.9[p] | No [4,5] |
| DG4 | Residential Area 4 | 0 - 1.5 | Dibenz(a,h)anthracene | 6.4[p] | No [4,5] |
| TP-302 | Residential Area 4 | 0 - 1.5 | Benzo(a)pyrene | 3.6[p] | No [4,5] |
| TP-308 | Residential Area 4 | 0 - 1 | Benzene | 3.4[bcf] | No [4,5] |
| CTP-4 | Mixed Residential/Commercial Area 2 | 4 | Benzo(a)pyrene | 24[pq] | No [5] |
| | | | Dibenz(a,h)anthracene | 4.9[p] | No [5] |
| | | | Benzo(a)anthracene | 26[p] | No [5] |
| SB-222 | Mixed Residential/Commercial Area 2 | 1.5 - 3.5 | Indeno(1,2,3-cd)pyrene | 22[p] | No [5,6] |
| | | | Benzo(b)fluoranthene | 39[p] | No [5,6] |
| | | | Benzo(a)pyrene | 33[pq] | No [5,6] |
| | | | Benzo(a)anthracene | 43[p] | No [5,6] |
| | | | Dibenz(a,h)anthracene | 6.1[p] | No [5,6] |
| SB-237 | Mixed Residential/Commercial Area 2 | 0 - 1 | Benzo(a)pyrene | 4.9[p] | No [5,6] |
| | | 2 - 4 | Benzo(a)pyrene | 4.3[p] | No [5,6] |
| SBA-2A | Mixed Residential/Commercial Area 2 | 0 - 2 | Benzo(a)pyrene | 4.8[p] | No [4] |
| | | | Dibenz(a,h)anthracene | 4.4[p] | No [4] |
| TP-5 | Commercial Area 4 | 6 | Benzo(a)pyrene | 2.40[p] | No [5] |
| TP-18 | Commercial Area 4 | 8 | Benzo(a)pyrene | 3.10[p] | No [5] |
| TP-203 | Commercial Area 4 | 0.5 - 1.5 | Benzo(a)pyrene | 3.8[p] | No [5] |

**Notes:**

[1] Results in milligrams per kilogram (mg/kg)

[2] Michigan Act 451, Part 201 Generic Cleanup Criteria as follows:

f = Residential Soil Volatilization to Indoor Air Criteria

p = Residential Direct Contact Criteria

q = Non-Residential Direct Contact Criteria

[3] Sample depth greater than excavation activities

[4] Sample depth surficial

[5] Sample location not near utility activities

[6] Sample location beneath building

ft. - feet

bgs. - below ground surface

**TABLE 2**

**SUMMARY OF SELECT PART 201 PCB EXCEEDANCES IN SOIL**
**FORMER PLAINWELL, INC. MILL PROPERTY**
**PLAINWELL, MICHIGAN**

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|
| SB-301 | Residential Area 4 | 5.5 - 7.5 | PCBs (total) | 13.8 $J^{p}$ | No [5] |
| | | | PCBs (total) | 6.29 $J^{p}$ (duplicate) | No [5] |
| TP-313 | Residential Area 4 | 4 - 6 | PCBs (total) | 37.9 $J^{pq}$ | No [5] |
| | | | PCBs (total) | 31$^{pq}$ (duplicate) | No [5] |
| MW-16 | Commercial Area 4 | 0 - 2 | PCBs (total) | 11 $J^{p}$ | No [4,5] |

**Notes:**

[1] Results in milligrams per kilogram (mg/kg)

[2] Michigan Act 451, Part 201 Generic Cleanup Criteria as follows:

p = Residential Direct Contact Criteria

q = Non-Residential Direct Contact Criteria

[3] Sample depth greater than excavation activities

[4] Sample depth surficial

[5] Sample location not near utility activities

[6] Sample location beneath building

ft. - feet

bgs. - below ground surface

# TABLE 3

## SUMMARY OF PCB RESULTS IN SOIL
## FORMER PLAINWELL, INC. MILL PROPERTY
## PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| MW-14 | Residential Area 1 | 0 - 2 | Soil | Total PCBs | 0.049 J | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| | | | | | ND [3] (duplicate) | No [4, 8] |
| SB-2 | Residential Area 1 | 9 - 10 | NA | Total PCBs | ND [3] | No [4, 8] |
| | | 12 - 13 | NA | Total PCBs | ND [3] | No [4, 8] |
| | | | | | ND [3] | No [4, 8] |
| SB-3 | Residential Area 1 | 2 - 2.5 | NA | Total PCBs | 0.27 J | No [4, 6, 8] |
| | | 4 - 5 | NA | Total PCBs | 0.19 J | No [4, 6, 8] |
| SB-4 | Residential Area 1 | 9 - 10 | NA | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-101 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.136 J | No [5, 6, 8] |
| | | 6.8 - 8.8 | Soil | Total PCBs | 0.015 J | No [4, 6, 8] |
| | | 8.8 - 9.25 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-102 | Residential Area 1 | 0 - 1 | Soil with Residuals | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [6, 8] |
| SB-103 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.32 J | No [5, 6, 8] |
| | | 7 - 9 | Soil | Total PCBs | ND [3] | No [6, 8] |
| SB-104 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.39 J | No [5, 6, 8] |
| | | 3 - 5 | Soil with Residuals | Total PCBs | 1 J | No [6, 8] |
| | | 5 - 7 | Soil | Total PCBs | ND [3] | No [6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [6, 8] |
| SB-106 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 3.5 - 5.5 | Soil with Residuals | Total PCBs | 0.46 J | No [8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [8] |
| | | | | | ND [3] (duplicate) | No [8] |
| SB-107 | Residential Area 1 | 0 - 1 | Soil with Residuals | Total PCBs | 0.031 J | No [5, 8] |
| | | 4.5 - 6.5 | Residuals | Total PCBs | 0.33 J | No [8] |
| | | 6.5 - 8.5 | Residuals | Total PCBs | 0.36 | No [8] |
| SB-108 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.24 | No [5, 6, 8] |
| | | 6.5 - 8.5 | Soil | Total PCBs | 0.25 J | No [6, 8] |
| | | 8 - 10 | Soil | Total PCBs | 0.408 J | No [6, 8] |
| SB-109 | Residential Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Residuals | Total PCBs | 0.462 J | No [8] |
| SB-110 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.022 | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | 0.029 | No [8] |
| | | | | | 0.166 J (duplicate) | No [8] |
| SB-111 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.022 J | No [5, 8] |
| | | 7 - 9 | Soil | Total PCBs | 0.215 J | No [8] |
| SB-112 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | | | | 0.017 (duplicate) | No [5, 8] |
| | | 6 - 8 | Residuals | Total PCBs | ND [3] | No [8] |
| SB-113 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.039 J | No [5, 8] |
| | | 8 - 10 | Soil with Residuals | Total PCBs | 0.71 J | No [8] |
| SB-114 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.061 J | No [5, 8] |
| | | 8 - 10 | Soil with Residuals | Total PCBs | 0.42 J | No [6, 8] |
| SB-115 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.011 J | No [5, 8] |
| | | 3 - 5 | Soil with Residuals | Total PCBs | 0.15 | No [6, 8] |
| | | 5 - 7 | Soil | Total PCBs | ND [3] | No [6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [6, 8] |
| SB-116 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.064 J | No [5, 8] |
| | | 7 - 9 | Soil | Total PCBs | 0.051 J | No [6, 8] |
| | | 9.5 - 10 | Soil | Total PCBs | 0.011 J | No [6, 8] |
| SB-117 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.012 | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | 0.043 J | No [6, 8] |
| SB-118 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.25 J | No [5, 8] |
| | | 7.5 - 9.5 | Soil | Total PCBs | ND [3] | No [6, 8] |
| SB-119 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | 0.0091 | No [8] |
| SB-120 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | | | | ND [3] (duplicate) | No [5, 8] |
| | | 7.75 - 9.75 | Soil | Total PCBs | ND [3] | No [6, 8] |

TABLE 3

SUMMARY OF PCB RESULTS IN SOIL
FORMER PLAINWELL, INC. MILL PROPERTY
PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| SB-121 | Residential Area 1 | 0 - 1 | Soil with Residuals | Total PCBs | 0.33 J | No [5, 8] |
| | | 1 - 3 | Soil | Total PCBs | ND [3] | No [8] |
| | | 11 - 13 | Soil | Total PCBs | ND [3] | No [4, 8] |
| SB-122 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.017 | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | 0.026 J | No [6, 8] |
| SB-123 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 0.077 J | No [5, 8] |
| | | 7 - 9 | Soil | Total PCBs | 0.045 J | No [8] |
| SB-132 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | 1.19 J | No [5, 8] |
| | | 8 - 10 | Soil with Residuals | Total PCBs | ND [3] | No [4, 8] |
| SB-143 | Residential Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| SPL-1 | Residential Area 1 | 0 - 0.5 | Soil | Total PCBs | 0.050 U | No [5, 8] |
| | | 4 - 6 | Residuals | Total PCBs | 0.27 J | No [6, 8] |
| | | 6 - 8 | Soil | Total PCBs | 0.12 J | No [6, 8] |
| SPL-2 | Residential Area 1 | 0 - 0.5 | Soil | Total PCBs | 0.040 J | No [5, 8] |
| | | 8 - 10 | Residuals | Total PCBs | 0.20 | No [8] |
| | | 10 - 12 | Soil | Total PCBs | 0.025 J | No [4, 8] |
| SPL-11 | Residential Area 1 | 0 - 0.5 | Soil | Total PCBs | 0.038 J | No [5, 6, 8] |
| | | 10 - 10.5 | Residuals | Total PCBs | 1.6 J | No [4, 6, 8] |
| | | 10.5 - 12 | Soil | Total PCBs | 0.051 J | No [4, 6, 8] |
| SS-100 | Residential Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| VA-1 | Residential Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Residuals | Total PCBs | 0.91 J | No [8] |
| SB-1 | Residential Area 2 | 12.5 - 13 | NA | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-105 | Residential Area 2 | 0 - 1 | Soil | Total PCBs | 0.227 J | No [5, 8] |
| | | 1 - 3 | Soil with Residuals | Total PCBs | 1.6 | No [6, 8] |
| | | 3 - 5 | Soil | Total PCBs | 0.0086 | No [6, 8] |
| | | | | | 0.0095 (duplicate) | No [6, 8] |
| | | 8 - 10 | Soil | Total PCBs | 0.56 J | No [4, 6, 8] |
| SB-124 | Residential Area 2 | 0 - 1 | Soil | Total PCBs | 0.147 J | No [5, 8] |
| | | 7 - 9 | Soil with Residuals | Total PCBs | 0.52 J | No [4, 6, 8] |
| SB-125 | Residential Area 2 | 0 - 1 | Soil | Total PCBs | 0.016 | No [5, 8] |
| | | 3 - 5 | Soil with Residuals | Total PCBs | 0.077 J | No [8] |
| | | | | | 0.1 J (duplicate) | No [8] |
| | | 9.25 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| SB-126 | Residential Area 2 | 0 - 1 | Soil | Total PCBs | 0.089 J | No [5, 8] |
| | | 7.5 - 9.5 | Soil | Total PCBs | 2.38 J | No [4, 6, 8] |
| SB-127 | Residential Area 2 | 0 - 1 | Soil | Total PCBs | 0.03 | No [5, 8] |
| | | 6.5 - 8.5 | Soil with Residuals | Total PCBs | 0.592 J | No [4, 8] |
| | | 10.5 - 12.5 | Soil with Residuals | Total PCBs | 0.099 | No [4, 8] |
| SB-128 | Residential Area 2 | 0 - 1 | Soil | Total PCBs | 0.125 J | No [5, 8] |
| | | 11.5 - 13.5 | Soil | Total PCBs | 0.34 J | No [4, 6, 8] |
| SB-129 | Residential Area 2 | 0 - 1 | Soil | Total PCBs | 0.025 J | No [5, 8] |
| | | 6 - 8 | Soil and Residuals | Total PCBs | 0.13 | No [4, 8] |
| | | 8 - 10 | Soil with Residuals | Total PCBs | 0.022 | No [4, 8] |
| SB-130 | Residential Area 2 | 0 - 1 | Soil | Total PCBs | 0.072 J | No [5, 8] |
| | | 12.5 - 14.5 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| | | | | | ND [3] (duplicate) | No [4, 6, 8] |
| SB-131 | Residential Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 6 - 8 | Soil with Residuals | Total PCBs | 0.051 J | No [4, 8] |
| SPL-4 | Residential Area 2 | 0 - 0.5 | Soil | Total PCBs | 0.051 U | No [5, 6, 8] |
| | | 12 - 14 | Residuals | Total PCBs | 1.5 J | No [4, 6, 8] |
| | | 16 - 18 | Soil | Total PCBs | 0.048 J | No [4, 6, 8] |
| SPL-13 | Residential Area 2 | 0 - 0.5 | Soil | Total PCBs | 0.051 U | No [5, 6, 8] |
| | | 0.5 - 1 | Soil | Total PCBs | 0.051 U | No [5, 6, 8] |
| | | 14 - 16 | Residuals | Total PCBs | 0.11 | No [4, 6, 8] |
| | | 16 - 18 | Soil | Total PCBs | 0.091 | No [4, 6, 8] |
| MW-15 | Residential Area 3 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 8] |
| SB-134 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | 0.107 J | No [5, 6, 8] |
| | | 1.5 - 3.5 | Soil | Total PCBs | ND [3] | No [6, 8] |

**TABLE 3**

**SUMMARY OF PCB RESULTS IN SOIL**
**FORMER PLAINWELL, INC. MILL PROPERTY**
**PLAINWELL, MICHIGAN**

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| SB-135 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | 0.104 J | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 5, 6, 8] |
| SB-136 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | | | | ND [3] (duplicate) | No [5, 8] |
| | | 8 - 10 | Soil with Residuals | Total PCBs | ND [3] | No [4, 8] |
| SB-137 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | 0.28 J | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | 0.013 | No [4, 8] |
| SB-138 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | 0.185 J | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| SB-139 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | 0.158 J | No [5, 6, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |
| SB-140 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | 0.4 J | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| | | | | | ND [3] (duplicate) | No [4, 8] |
| SB-141 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | 0.069 J | No [5, 8] |
| | | 9 - 11 | Soil | Total PCBs | ND [3] | No [4, 8] |
| SPL-6 | Residential Area 3 | 0 - 0.5 | Soil | Total PCBs | 0.27 | No [5, 6, 8] |
| | | 2 - 4 | Soil | Total PCBs | 0.052 U | No [8] |
| TP-1 | Residential Area 3 | - | NA | Total PCBs | 0.35 | No [6, 8] |
| TP-2 | Residential Area 3 | - | NA | Total PCBs | 0.28 | No [6, 8] |
| TP-3 | Residential Area 3 | - | NA | Total PCBs | 0.04 | No [6, 8] |
| TP-4 | Residential Area 3 | - | NA | Total PCBs | 0.05 | No [6, 8] |
| TP-5 | Residential Area 3 | - | NA | Total PCBs | 0.01 | No [6, 8] |
| TP-6 | Residential Area 3 | - | NA | Total PCBs | 0.08 | No [6, 8] |
| TP-319 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |
| TP-320 | Residential Area 3 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |
| SB-301 | Residential Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 5.5 - 7.5 | Soil with Residuals | Total PCBs | 13.8 J[P] | No [6] |
| | | | | | 6.29 J[P] (duplicate) | No [6] |
| SB-302 | Residential Area 4 | 0 - 1 | Soil | Total PCBs | 0.4 J | No [5, 6, 8] |
| | | 6.8 - 8.8 | Soil with Residuals | Total PCBs | 0.28 J | No [4, 6, 8] |
| | | 8.8 - 9.8 | Soil | Total PCBs | 0.103 J | No [4, 6, 8] |
| SB-321 | Residential Area 4 | 0 - 1 | Soil | Total PCBs | 0.041 J | No [5, 6, 8] |
| | | | | | 0.034 J (duplicate) | No [5, 6, 8] |
| | | 7 - 9 | Soil | Total PCBs | 0.026 J | No [4, 6, 8] |
| TP-302 | Residential Area 4 | 0.5 - 1.5 | Soil | Total PCBs | 0.058 | No [5, 6, 8] |
| | | 4 - 6 | Soil/Debris | Total PCBs | ND [3] | No [6, 8] |
| | | 10 - 11 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| TP-308 | Residential Area 4 | 0 - 1 | Coal | Total PCBs | ND [3] | No [5, 6, 8] |
| | | | | | ND [3] (duplicate) | No [5, 6, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 8] |
| TP-309 | Residential Area 4 | 0 - 1 | Coal/Soil | Total PCBs | 0.022 | No [5, 6, 8] |
| | | 3 - 4 | Soil | Total PCBs | ND [3] | No [6, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| TP-310 | Residential Area 4 | 1 - 2 | Soil | Total PCBs | 0.055 J | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | 0.094 J | No [4, 6, 8] |
| TP-311 | Residential Area 4 | 0 - 1 | Coal/Soil | Total PCBs | 0.194 | No [5, 6, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 8] |
| TP-312 | Residential Area 4 | 0 - 1 | Coal/Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 5 - 7 | Soil | Total PCBs | ND [3] | No [6, 8] |
| | | | | | ND [3] (duplicate) | No [6, 8] |
| TP-313 | Residential Area 4 | 2 - 4 | Coal/Soil | Total PCBs | ND [3] | No [6, 8] |
| | | 4 - 6 | Soil/"Gray Material" | Total PCBs | 37.9 J[PQ] | No [6] |
| | | | | | 31[PQ] (duplicate) | No [6] |
| | | 8 - 9 | Soil | Total PCBs | 0.0257 | No [4, 6, 8] |
| TP-314 | Residential Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 6 - 8 | Soil/Debris | Total PCBs | ND [3] | No [4, 6, 8] |
| | | 10 - 11 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |

TABLE 3

SUMMARY OF PCB RESULTS IN SOIL
FORMER PLAINWELL, INC. MILL PROPERTY
PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| TP-315 | Residential Area 4 | 0 - 1 | Coal/Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 8] |
| TP-301 | Waterfront Plaza | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-334 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-335 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| SB-336 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-337 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 10.5 - 12.5 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-338 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-339 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 2.75 - 3.75 | Coal Ash | Total PCBs | ND [3] | No [6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| | | | | | ND [3] (duplicate) | No [4, 6, 8] |
| SB-341 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| TP-303 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| TP-306 | Mixed Residential/Commercial Area 1 | 0.5 - 1.5 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 6 - 7 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| TP-333 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| TP-334 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 7 - 9 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| TP-335 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [8] |
| TP-336 | Mixed Residential/Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| CTP-4 | Mixed Residential/Commercial Area 2 | 4 | Soil | Total PCBs | 1.1 U | No [6, 8] |
| MW-19 | Mixed Residential/Commercial Area 2 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [8] |
| SB-6 | Mixed Residential/Commercial Area 2 | 0 - 1 | NA | Total PCBs | ND [3] | No [5, 8] |
| SB-205 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | 0.0091 | No [6, 7, 8] |
| | | | | | ND [3] | No [6, 7, 8] |
| SB-206 | Mixed Residential/Commercial Area 2 | 0.5 - 1.5 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | 0.0088 NJ | No [6, 7, 8] |
| SB-207 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.012 | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-208 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-209 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-210 | Mixed Residential/Commercial Area 2 | 0.5 - 1.5 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-211 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-212 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.0096 | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | 0.013 | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |
| SB-213 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-214 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3.5 - 5.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-215 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |

TABLE 3

SUMMARY OF PCB RESULTS IN SOIL
FORMER PLAINWELL, INC. MILL PROPERTY
PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| SB-216 | Mixed Residential/Commercial Area 2 | 0 - 4 | Soil | Total PCBs | 0.28 | No [5, 6, 7, 8] |
| SB-217 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 1.1 | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | 0.096 J | No [6, 7, 8] |
| SB-218 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-219 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.278 J | No [5, 6, 7, 8] |
| SB-220 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| SB-221 | Mixed Residential/Commercial Area 2 | 1 - 2 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | 2 - 4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |
| SB-222 | Mixed Residential/Commercial Area 2 | 1.5 - 3.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-223 | Mixed Residential/Commercial Area 2 | 1 - 4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-224 | Mixed Residential/Commercial Area 2 | 1 - 2 | Soil | Total PCBs | 0.015 J | No [6, 7, 8] |
| | | 2 - 4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-225 | Mixed Residential/Commercial Area 2 | 1 - 4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-226 | Mixed Residential/Commercial Area 2 | 1 - 4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-227 | Mixed Residential/Commercial Area 2 | 0.4 - 1.4 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 1.5 - 3.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-229 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.017 | No [5, 6, 7, 8] |
| | | 0.5 - 1.5 | Soil | Total PCBs | 0.015 | No [5, 6, 7, 8] |
| SB-230 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.038 | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-231 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.73 | No [5, 6, 7, 8] |
| SB-232 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil with Slag | Total PCBs | 0.19 | No [5, 6, 7, 8] |
| | | 6 - 8 | Soil/Slag | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-233 | Mixed Residential/Commercial Area 2 | 0 - 1 | Slag and Coal Dust | Total PCBs | 0.04 J | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-234 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |
| SB-235 | Mixed Residential/Commercial Area 2 | 0.5 - 1.5 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-236 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil with Slag | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| SB-237 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil with Slag | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2 - 4 | Soil | Total PCBs | 0.28 | No [6, 7, 8] |
| SB-238 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 1.1 | No [5, 6, 7, 8] |
| | | 2 - 4 | Soil | Total PCBs | 0.75 | No [6, 7, 8] |
| | | | | | 1.5 (duplicate) | No [6, 7, 8] |
| SB-240 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-241 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.038 | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-242 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |
| SB-243 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-244 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | 0.0067 | No [6, 7, 8] |
| SB-246 | Mixed Residential/Commercial Area 2 | 0 - 1 | Clay Residue | Total PCBs | 0.043 | No [5, 6, 7, 8] |
| | | 3 - 4 | Coal | Total PCBs | ND [3] | No [6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |
| SB-254 | Mixed Residential/Commercial Area 2 | 0 - 4 | Soil | Total PCBs | 0.26 | No [5, 6, 7, 8] |
| SB-255 | Mixed Residential/Commercial Area 2 | 1 - 2 | Soil | Total PCBs | 0.014 | No [6, 7, 8] |
| | | 2 - 4 | Soil | Total PCBs | 0.12 J | No [6, 7, 8] |

**TABLE 3**

**SUMMARY OF PCB RESULTS IN SOIL**
**FORMER PLAINWELL, INC. MILL PROPERTY**
**PLAINWELL, MICHIGAN**

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| SB-256B | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-257 | Mixed Residential/Commercial Area 2 | 2 - 4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-258 | Mixed Residential/Commercial Area 2 | 0.8 - 3 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| SB-259 | Mixed Residential/Commercial Area 2 | 1 - 4 | Soil | Total PCBs | 0.045 J | No [6, 7, 8] |
| SB-262 | Mixed Residential/Commercial Area 2 | 1 - 2 | Soil | Total PCBs | 0.007 J | No [6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-303 | Mixed Residential/Commercial Area 2 | 0 - 2 | Soil/Coal | Total PCBs | ND [3] | No [5, 8] |
| | | 3.5 - 5.5 | Soil | Total PCBs | ND [3] | No [8] |
| | | 5.5 - 7.5 | Soil | Total PCBs | ND [3] | No [8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [8] |
| | | | | | ND [3] (duplicate) | No [8] |
| SB-304 | Mixed Residential/Commercial Area 2 | 0 - 2 | Soil/Coal | Total PCBs | 0.061 | No [5, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [8] |
| SB-305 | Mixed Residential/Commercial Area 2 | 0 - 2 | Soil/Coal | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [8] |
| SB-306 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil/Coal | Total PCBs | 0.1 | No [5, 8] |
| | | 7.5 - 9.5 | Soil | Total PCBs | ND [3] | No [8] |
| | | | | | ND [3] (duplicate) | No [8] |
| | | 9.5 - 11 | Soil | Total PCBs | ND [3] | No [8] |
| SB-307 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil/Coal | Total PCBs | 0.141 J | No [5, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [8] |
| | | | | | ND [3] (duplicate) | No [8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [8] |
| SB-308 | Mixed Residential/Commercial Area 2 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 3 - 5 | Soil/Coal | Total PCBs | ND [3] | No [6, 8] |
| | | 7.5 - 9.5 | Soil | Total PCBs | ND [3] | No [6, 8] |
| SB-309 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.086 | No [5, 6, 8] |
| | | | | | ND [3] (duplicate) | No [5, 6, 8] |
| | | 12.5 - 14.5 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-310 | Mixed Residential/Commercial Area 2 | 0 - 1 | Coal | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 12 - 14 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-311 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil/Coal | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 13 - 15 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| SB-312 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| SB-2010 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil/Paper Residuals | Total PCBs | 0.82 J | No [5, 6, 7, 8] |
| | | 7 - 9 | Soil | Total PCBs | 0.269 J | No [6, 7, 8] |
| SB-2011 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil/Paper Residuals | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 3.4 - 4.75 | Soil/Coal/Paper Residuals | Total PCBs | ND [3] | No [6, 8] |
| | | 12.5 - 14.5 | Soil | Total PCBs | ND [3] | No [6, 8] |
| SB-2013 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 8] |
| | | | | | ND [3] (duplicate) | No [6, 8] |
| SPC-1 | Mixed Residential/Commercial Area 2 | 0 - 0.5 | NA | Total PCBs | 0.74 | No [5, 8] |
| SPI-1 | Mixed Residential/Commercial Area 2 | 3 - 3.5 | NA | Total PCBs | 1.4 | No [6, 7, 8] |
| TP-8 | Mixed Residential/Commercial Area 2 | 5 | Soil | Total PCBs | 1.4 D | No [6, 8] |
| TP-9 | Mixed Residential/Commercial Area 2 | 6 | Soil | Total PCBs | 0.046 | No [6, 8] |
| TP-10 | Mixed Residential/Commercial Area 2 | 5.5 | Soil | Total PCBs | 0.032 | No [6, 8] |
| TP-11 | Mixed Residential/Commercial Area 2 | 6 | Ash Material | Total PCBs | 0.22 P | No [6, 8] |
| TP-12 | Mixed Residential/Commercial Area 2 | 6 - 7 | Soil | Total PCBs | 0.14 | No [6, 8] |
| | | | | | 0.10 (duplicate) | No [6, 8] |
| TP-13 | Mixed Residential/Commercial Area 2 | 6 | Soil | Total PCBs | 0.129 | No [6, 8] |
| TP-14 | Mixed Residential/Commercial Area 2 | 5.5 | Soil | Total PCBs | 0.065 | No [6, 8] |
| TP-15 | Mixed Residential/Commercial Area 2 | 6 - 7 | Soil | Total PCBs | 0.012 U | No [6, 8] |
| TP-16 | Mixed Residential/Commercial Area 2 | 5.5 | Soil | Total PCBs | 0.27 | No [6, 8] |
| TP-339 | Mixed Residential/Commercial Area 2 | 0 - 1 | Sand/Slag/White Powdery Material | Total PCBs | 0.15 J | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [6, 8] |
| TP-340 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.07 | No [5, 6, 8] |
| | | 3 - 4 | Soil | Total PCBs | 0.82 | No [6, 8] |

SUMMARY OF PCB RESULTS IN SOIL
FORMER PLAINWELL, INC. MILL PROPERTY
PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| TP-342 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.2 J | No [5, 6, 8] |
| | | 3.5 - 4 | Soil | Total PCBs | ND [3] | No [6, 8] |
| TP-343 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 3 - 4 | Soil | Total PCBs | ND [3] | No [6, 8] |
| TP-344 | Mixed Residential/Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.11 J | No [5, 6, 8] |
| | | | | | ND [3] (duplicate) | No [5, 6, 8] |
| | | 1 - 3 | Soil/Blue Silt Seam | Total PCBs | 0.32 | No [6, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 8] |
| SB-133 | Commercial Area 1 | 0 - 1 | Soil | Total PCBs | 1.02 J | No [5, 8] |
| | | 7 - 9 | Soil with Residuals | Total PCBs | 2.6 | No [8] |
| | | | | | 2.7 (duplicate) | No [8] |
| SB-142 | Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8.5 - 10.5 | Soil | Total PCBs | ND [3] | No [8] |
| SB-144 | Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 7 - 9 | Soil | Total PCBs | ND [3] | No [8] |
| | | | | | ND [3] (duplicate) | No [8] |
| SB-145 | Commercial Area 1 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 7.5 - 9.5 | Soil | Total PCBs | ND [3] | No [8] |
| SS-101 | Commercial Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| SS-102 | Commercial Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| SS-103 | Commercial Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| SS-104 | Commercial Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| SS-105 | Commercial Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| SS-106 | Commercial Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| SS-106 | Commercial Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| SS-107 | Commercial Area 1 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| SB-323 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 7, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 7, 8] |
| | | | | | ND [3] (duplicate) | No [4, 7, 8] |
| SB-325 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| SB-326 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 7, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 7, 8] |
| | | | | | ND [3] (duplicate) | No [4, 7, 8] |
| SB-327 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 7, 8] |
| SB-327B | Commercial Area 2 | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 7, 8] |
| SB-328 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | 0.12 | No [5, 7, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 7, 8] |
| SB-329 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 7, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 7, 8] |
| SB-330 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 7, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 7, 8] |
| SB-331 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 7, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 7, 8] |
| SB-340 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 7, 8] |
| | | | | | ND [3] (duplicate) | No [5, 7, 8] |
| SB-342 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 7, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 7, 8] |
| SB-343 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| TP-316 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |
| TP-317 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 8] |
| TP-318 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |
| TP-321 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |
| TP-322 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |
| TP-323 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |

TABLE 3

SUMMARY OF PCB RESULTS IN SOIL
FORMER PLAINWELL, INC. MILL PROPERTY
PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| TP-324 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 9 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| | | | | | ND [3] (duplicate) | No [4, 8] |
| TP-325 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| TP-326 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |
| TP-327 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 7 - 9 | Soil | Total PCBs | ND [3] | No [4, 8] |
| TP-328 | Commercial Area 2 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [4, 8] |
| | | | | | ND [3] (duplicate) | No [4, 8] |
| MW-18 | Commercial Area 3 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| | | 10 - 12 | Soil | Total PCBs | ND [3] | No [4, 8] |
| SB-248 | Commercial Area 3 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | 0.5 - 1.5 | Soil | Total PCBs | ND [3] | No [5, 8] |
| TP-304 | Commercial Area 3 | 0.5 - 1.5 | Soil/Slag/White to Gray Seam | Total PCBs | ND [3] | No [5, 8] |
| | | 2 - 4 | Soil | Total PCBs | ND [3] | No [6, 8] |
| | | 5 - 7 | Soil | Total PCBs | ND [3] | No [6, 8] |
| TP-305 | Commercial Area 3 | 0.5 - 1.5 | Soil/Slag/White to Gray Seam | Total PCBs | ND [3] | No [5, 8] |
| | | 2 - 4 | Soil | Total PCBs | ND [3] | No [8] |
| | | 6 - 8 | Soil | Total PCBs | ND [3] | No [8] |
| TP-307 | Commercial Area 3 | 0.5 - 1.5 | Soil/Slag/White to Gray Seam | Total PCBs | ND [3] | No [5, 8] |
| | | | | | ND [3] (duplicate) | No [5, 8] |
| | | 2 - 3 | Soil | Total PCBs | ND [3] | No [8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [8] |
| TP-337 | Commercial Area 3 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | 2 - 4 | Soil/Coal/Slag | Total PCBs | ND [3] | No [8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [8] |
| TP-338 | Commercial Area 3 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | | | | ND [3] (duplicate) | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [8] |
| MW-16 | Commercial Area 4 | 0 - 2 | Soil | Total PCBs | 11 J[P] | No [5, 6, 8] |
| | | 3 - 5 | Soil | Total PCBs | 1.109 J | No [6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [6, 8] |
| MW-17 | Commercial Area 4 | 0 - 2 | Soil | Total PCBs | ND [3] | No [5, 8] |
| | | | | | ND [3] (duplicate) | No [5, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 8] |
| PM8 | Commercial Area 4 | 0.3 - 0.5 | Soil | Total PCBs | 0.11 | No [5, 6, 8] |
| SB-201 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | 0.057 J | No [5, 6, 8] |
| | | 2 - 4 | Soil | Total PCBs | 0.032 | No [6, 8] |
| SB-202 | Commercial Area 4 | 0 - 1 | Soil/Coal | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 2 - 4 | Soil | Total PCBs | 0.048 | No [6, 8] |
| SB-203 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | 0.12 | No [5, 6, 8] |
| | | 2 - 4 | Soil | Total PCBs | ND [3] | No [6, 8] |
| | | | | | ND [3] (duplicate) | No [6, 8] |
| SB-204 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | 2 - 4 | Soil | Total PCBs | 0.045 J | No [6, 8] |
| SB-245 | Commercial Area 4 | 0 - 1 | Soil/Slag | Total PCBs | 0.096 | No [5, 6, 7, 8] |
| | | 5 - 7 | Soil | Total PCBs | 0.017 | No [6, 7, 8] |
| SB-249 | Commercial Area 4 | 0 - 1 | Soil/Slag | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 12 - 14 | Soil | Total PCBs | ND [3] | No [4, 6, 7, 8] |
| SB-250 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-253 | Commercial Area 4 | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-263 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |

**TABLE 3**

**SUMMARY OF PCB RESULTS IN SOIL**
**FORMER PLAINWELL, INC. MILL PROPERTY**
**PLAINWELL, MICHIGAN**

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| SB-264 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-265 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2 - 4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-266 | Commercial Area 4 | 1.4 - 2.4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | 0.073 J | No [6, 7, 8] |
| | | | | | 0.0477 J (duplicate) | No [6, 7, 8] |
| SB-267 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-268 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 5 - 7 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-269 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | 0.15 J | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-270 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| SB-270B | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | 0.0091 | No [6, 7, 8] |
| SB-271 | Commercial Area 4 | 1.5 - 4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-272 | Commercial Area 4 | 1 - 3 | Soil | Total PCBs | 0.15 | No [6, 7, 8] |
| SB-273 | Commercial Area 4 | 1 - 3 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-274 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-275 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-276 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | 0.04 J | No [6, 7, 8] |
| SB-277 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-278 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-279 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |
| SB-280 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-281 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-282 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-283 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-284 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-285 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-286 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 6 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-287 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-288 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 5 - 7 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |
| SB-289 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 5 - 7 | Soil | Total PCBs | 0.0316 NJ | No [6, 7, 8] |
| SB-290 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 5 - 7 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-291 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |

TABLE 3

SUMMARY OF PCB RESULTS IN SOIL
FORMER PLAINWELL, INC. MILL PROPERTY
PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| SB-292 | Commercial Area 4 | 0 - 1 | Soil/Slag | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |
| SB-293 | Commercial Area 4 | 0 - 1 | Soil/Brick | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-294 | Commercial Area 4 | 0 - 1 | Soil/Slag | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-295 | Commercial Area 4 | 0 - 1 | Soil/Slag | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-296 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-297 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 1 - 2 | Soil/Coal/Slag | Total PCBs | ND [3] | No [6, 7, 8] |
| | | 14 - 16 | Soil | Total PCBs | ND [3] | No [4, 6, 7, 8] |
| SB-298 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-299 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 4 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-2001 | Commercial Area 4 | 0 - 1 | Soil/Slag | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.75 - 4.75 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-2002 | Commercial Area 4 | 0 - 1 | Soil/Slag | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-2003 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 1.5 - 3.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-2004 | Commercial Area 4 | 0 - 1 | Soil/Slag | Total PCBs | ND [3] | No [5, 7, 8] |
| | | 2 - 4 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-2005 | Commercial Area 4 | 0 - 1 | Soil/Slag | Total PCBs | ND [3] | No [5, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-2006 | Commercial Area 4 | 2 - 5 | Soil | Total PCBs | ND [3] | No [7, 8] |
| SB-2007 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 2.5 - 4.5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | | | | ND [3] (duplicate) | No [6, 7, 8] |
| SB-2008 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | ND [3] | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-2009 | Commercial Area 4 | 1 - 2 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| | | 5 - 7 | Soil | Total PCBs | 0.95 | No [6, 7, 8] |
| SB-2012 | Commercial Area 4 | 0 - 1 | Soil | Total PCBs | 1.44 J | No [5, 6, 7, 8] |
| | | 3 - 5 | Soil | Total PCBs | ND [3] | No [6, 7, 8] |
| SB-2014 | Commercial Area 4 | 0.5 - 1.5 | Soil | Total PCBs | 0.0092 | No [5, 6, 7, 8] |
| | | | | | 0.0189 J (duplicate) | No [5, 6, 7, 8] |
| | | 12.5 - 13.5 | Soil | Total PCBs | ND [3] | No [4, 6, 7, 8] |
| SB-2015 | Commercial Area 4 | 0.5 - 1.5 | Soil | Total PCBs | 0.0102 J | No [5, 6, 7, 8] |
| | | 12.5 - 13.5 | Soil | Total PCBs | ND [3] | No [4, 6, 7, 8] |
| TP-1 | Commercial Area 4 | 5.5 | Soil | Total PCBs | 0.014 P | No [6, 8] |
| TP-2 | Commercial Area 4 | 6 | Soil | Total PCBs | 0.025 | No [6, 8] |
| TP-3 | Commercial Area 4 | 6.5 | Soil | Total PCBs | 0.008 U | No [6, 8] |
| TP-4 | Commercial Area 4 | 5 | Soil | Total PCBs | 0.15 | No [6, 8] |
| TP-5 | Commercial Area 4 | 5.5 | Soil | Total PCBs | 1.1 | No [6, 8] |
| | | 6 | Soil | Total PCBs | 0.112 | No [6, 8] |
| TP-6 | Commercial Area 4 | 6 | Soil | Total PCBs | 0.011 U | No [6, 8] |
| TP-7 | Commercial Area 4 | 5.5 | Soil | Total PCBs | 0.5 | No [6, 8] |
| TP-17 | Commercial Area 4 | 7 | Soil | Total PCBs | 0.0067 U | No [6, 8] |
| TP-18 | Commercial Area 4 | 8 | Ash Material | Total PCBs | 0.012 U | No [6, 8] |
| | | | | | 0.011 U (duplicate) | No [6, 8] |
| TP-19 | Commercial Area 4 | 8 | Soil | Total PCBs | 0.014 U | No [6, 8] |
| TP-20 | Commercial Area 4 | 6 | Fiber Materials | Total PCBs | 0.014 U | No [6, 8] |
| | | 8.5 | Soil | Total PCBs | 0.012 U | No [6, 8] |
| TP-201 | Commercial Area 4 | 1 - 2 | Soil | Total PCBs | 0.043 J | No [6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| TP-202 | Commercial Area 4 | 0.5 - 1.5 | Soil | Total PCBs | ND [3] | No [5, 6, 8] |
| | | | | | ND [3] (duplicate) | No [5, 6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |

SUMMARY OF PCB RESULTS IN SOIL
FORMER PLAINWELL, INC. MILL PROPERTY
PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Media Sampled | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|---|
| TP-203 | Commercial Area 4 | 0.5 - 1.5 | Soil/Coal | Total PCBs | 0.051 | No [5, 6, 8] |
| | | 2 - 4 | Soil | Total PCBs | ND [3] | No [6, 8] |
| | | 8 - 10 | Soil | Total PCBs | ND [3] | No [4, 6, 8] |
| TP-341 | Commercial Area 4 | 0.5 - 1.5 | Soil | Total PCBs | 0.12 J | No [5, 6, 8] |
| | | 3.5 - 5 | Soil | Total PCBs | ND [3] | No [6, 8] |

**Notes:**

[1] Results in milligrams per kilogram (mg/kg)

[2] Michigan Act 451, Part 201 Generic Cleanup Criteria as follows:

n = Residential Particulate Soil Inhalation Criteria

p = Residential Direct Contact Criteria

q = Non-Residential Direct Contact Criteria

[3] Individual Aroclors were not detected at the specific detection levels; therefore, total PCBs are non-detect for these samples.

[4] Sample depth greater than excavation activities

[5] Sample depth surficial

[6] Sample location not near utility activities

[7] Sample location beneath building

[8] Sample concentration below Michigan Act 451, Part 201 Generic Residential Cleanup Criteria or Non-Detect

NA - Stratigraphic soil boring log was not available for this location

ND - Not detected

U - Not present at or above the associated value

J - Estimated concentration

D - Data reported from a diluted sample

ft. - feet

bgs. - below ground surface

# SUMMARY OF SELECT PART 201 MANGANESE AND LEAD EXCEEDANCES IN SOIL
# FORMER PLAINWELL, INC. MILL PROPERTY
# PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|
| DG4 | Residential Area 4 | 0 - 1.5 | Lead | 990 bcpq | No [5] |
| SB-301 | Residential Area 4 | 5.5 - 7.5 | Lead | 647 p | No [5] |
| | | | | 542 p (duplicate) | No [5] |
| SB-302 | Residential Area 4 | 8.8 - 9.8 | Lead | 667 p | No [5] |
| TP-302 | Residential Area 4 | 4 - 6 | Lead | 1620 bcpq | No [5] |
| TP-313 | Residential Area 4 | 4 - 6 | Lead | 502 p | No [5] |
| | | | | 461 p (duplicate) | No [5] |
| TP-314 | Residential Area 4 | 6 - 8 | Lead | 2050 bcpq | No [5] |
| TP-334 | Mixed Residential/Commercial Area 1 | 0 - 1 | Manganese | 1880 J bcdo | No [4, 5] |
| SB-220 | Mixed Residential/Commercial Area 2 | 0 - 1 | Lead | 1050 J bcpq | No [4, 5, 6] |
| SB-222 | Mixed Residential/Commercial Area 2 | 1.5 - 3.5 | Lead | 782 bcp | No [5, 6] |
| SB-238 | Mixed Residential/Commercial Area 2 | 2 - 4 | Lead | 480 J p | No [5, 6] |
| SB-243 | Mixed Residential/Commercial Area 2 | 0 - 1 | Lead | 428 J p | No [4, 5, 6] |
| SB-258 | Mixed Residential/Commercial Area 2 | 0.8 - 3 | Lead | 1720 bcpq | No [5, 6] |
| SB-2013 | Mixed Residential/Commercial Area 2 | 0 - 1 | Lead | 2330 bcpq | No [4, 5] |
| SS-105 | Commercial Area 1 | 0 - 2 | Manganese | 1510 bcdo | No [4] |
| SB-201 | Commercial Area 4 | 2 - 4 | Lead | 771 bcp | No [5] |
| SB-203 | Commercial Area 4 | 2 - 4 | Lead | 723 bcp | No [5] |
| SB-274 | Commercial Area 4 | 0 - 1 | Manganese | 3900 J bcdno | No [4, 5, 6] |
| TP-341 | Commercial Area 4 | 0.5 - 1.5 | Lead | 555 p | No [4,5] |

**Notes:**

[1] Results in milligrams per kilogram (mg/kg)

[2] Michigan Act 451, Part 201 Generic Cleanup Criteria as follows:

n = Residential Particulate Soil Inhalation Criteria

o = Non-Residential Particulate Soil Inhalation Criteria

p = Residential Direct Contact Criteria

q = Non-Residential Direct Contact Criteria

[3] Sample depth greater than excavation activities

[4] Sample depth surficial

[5] Sample location not near utility activities

[6] Sample location beneath building

ft. - feet

bgs. - below ground surface

# TABLE 5

## SUMMARY OF SELECT PART 201 ARSENIC EXCEEDANCES IN SOIL
## FORMER PLAINWELL, INC. MILL PROPERTY
## PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|
| Lagoon J 3A | Residential Area 1 | 4.5 - 5 | Arsenic | 9 bcdp | **Yes** |
| MW-14 | Residential Area 1 | 8 - 10 | Arsenic | 11.6 bcdp | No [3] |
| SB-101 | Residential Area 1 | 0 - 1 | Arsenic | 10.3 bcdp | No [4, 5] |
| | | 6.8 - 8.8 | Arsenic | 15.0 bcdp | No [5] |
| SB-102 | Residential Area 1 | 0 - 1 | Arsenic | 16.2 bcdp | No [4, 5] |
| SB-103 | Residential Area 1 | 0 - 1 | Arsenic | 10.6 J bcdp | No [4, 5] |
| | | 7 - 9 | Arsenic | 9.7 J bcdp | No [5] |
| SB-104 | Residential Area 1 | 3 - 5 | Arsenic | 25.3 J bcdp | No [5] |
| | | 5 - 7 | Arsenic | 92 J bcdpq | No [5] |
| | | 8 - 10 | Arsenic | 29 J bcdp | No [3, 5] |
| SB-106 | Residential Area 1 | 8 - 10 | Arsenic | 11.7 bcdp | No [3] |
| SB-109 | Residential Area 1 | 8 - 10 | Arsenic | 14.0 bcdp | No [3] |
| SB-111 | Residential Area 1 | 7 - 9 | Arsenic | 7.8 bcdp | **Yes** |
| SB-113 | Residential Area 1 | 8 - 10 | Arsenic | 10.5 bcdp | **Yes** |
| SB-118 | Residential Area 1 | 7.5 - 9.5 | Arsenic | 21 J bcdp | No [5] |
| SB-120 | Residential Area 1 | 0 - 1 | Arsenic | 14 J bcdp | No [4, 5] |
| | | | Arsenic | 11 J bcdp (duplicate) | No [4, 5] |
| | | 7.75 - 9.75 | Arsenic | 11 bcdp | No [5] |
| SB-132 | Residential Area 1 | 0 - 1 | Arsenic | 13.4 bcdp | No [4] |
| | | 8 - 10 | Arsenic | 16.7 bcdp | No [3] |
| SB-1 | Residential Area 2 | 12.5 - 13 | Arsenic | 8.5 bcdp | No [3, 5] |
| SB-105 | Residential Area 2 | 0 - 1 | Arsenic | 9.6 bcdp | No [4, 5] |
| | | 1 - 3 | Arsenic | 17.5 bcdp | No [5] |
| | | 3 - 5 | Arsenic | 7.9 bcdp | No [5] |
| | | 8 - 10 | Arsenic | 7.8 bcdp | No [3, 5] |
| SB-124 | Residential Area 2 | 0 - 1 | Arsenic | 8.4 J bcdp | No [4, 5] |
| | | 7 - 9 | Arsenic | 8.9 J bcdp | No [3, 5] |
| SB-125 | Residential Area 2 | 0 - 1 | Arsenic | 13.5 bcdp | No [4] |
| SB-126 | Residential Area 2 | 7.5 - 9.5 | Arsenic | 9.4 bcdp | No [3, 5] |
| MW-15 | Residential Area 3 | 0 - 2 | Arsenic | 19.9 bcdp | No [4, 5] |
| | | 4 - 6 | Arsenic | 11.9 bcdp | No [5] |
| SB-134 | Residential Area 3 | 1.5 - 3.5 | Arsenic | 20.3 bcdp | No [5] |
| SB-136 | Residential Area 3 | 8 - 10 | Arsenic | 21.1 bcdp | No [3] |
| SB-137 | Residential Area 3 | 0 - 1 | Arsenic | 8.7 bcdp | No [4] |
| | | 8 - 10 | Arsenic | 26.4 bcdp | No [3] |
| SB-139 | Residential Area 3 | 0 - 1 | Arsenic | 12.5 bcdp | No [4, 5] |
| SB-140 | Residential Area 3 | 0 - 1 | Arsenic | 12.1 bcdp | No [4] |
| | | 8 - 10 | Arsenic | 19 bcdp | No [3] |
| | | | Arsenic | 15 bcdp (duplicate) | No [3] |
| SB-141 | Residential Area 3 | 0 - 1 | Arsenic | 8.5 bcdp | No [4] |
| DG4 | Residential Area 4 | 0 - 1.5 | Arsenic | 16 bcdp | No [4, 5] |
| SB-5 | Residential Area 4 | 2.5 - 3.5 | Arsenic | 12 bcdp | No [5] |
| SB-301 | Residential Area 4 | 0 - 1 | Arsenic | 21.6 bcdp | No [4, 5] |
| | | 5.5 - 7.5 | Arsenic | 55.8 J bcdpq | No [5] |
| | | | Arsenic | 14.2 J bcdp (duplicate) | No [5] |
| SB-302 | Residential Area 4 | 6.8 - 8.8 | Arsenic | 12.1 bcdp | No [3] |
| SB-321 | Residential Area 4 | 0 - 1 | Arsenic | 8.1 bcdp | No [4, 5] |
| TP-302 | Residential Area 4 | 0.5 - 1.5 | Arsenic | 8.1 bcdp | No [4, 5] |

# SUMMARY OF SELECT PART 201 ARSENIC EXCEEDANCES IN SOIL
# FORMER PLAINWELL, INC. MILL PROPERTY
# PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|
| TP-310 | Residential Area 4 | 8 - 10 | Arsenic | 16.4 [bcdp] | No [3] |
| TP-311 | Residential Area 4 | 0 - 1 | Arsenic | 13.9 [bcdp] | No [4, 5] |
| TP-312 | Residential Area 4 | 0 - 1 | Arsenic | 9.7 [bcdp] | No [4, 5] |
| TP-313 | Residential Area 4 | 2 - 4 | Arsenic | 12 [bcdp] | No [5] |
| TP-314 | Residential Area 4 | 0 - 1 | Arsenic | 12.1 [bcdp] | No [4, 5] |
| | | 6 - 8 | Arsenic | 25.0 [bcdp] | No [5] |
| SB-334 | Mixed Residential/Commercial Area 1 | 8 - 10 | Arsenic | 10.7 J [bcdp] | No [3] |
| SB-336 | Mixed Residential/Commercial Area 1 | 8 - 10 | Arsenic | 10.3 J [bcdp] | No [3] |
| SB-337 | Mixed Residential/Commercial Area 1 | 10.5 - 12.5 | Arsenic | 9.0 J [bcdp] | No [3] |
| SB-338 | Mixed Residential/Commercial Area 1 | 8 - 10 | Arsenic | 8.6 J [bcdp] | No [3] |
| SB-339 | Mixed Residential/Commercial Area 1 | 8 - 10 | Arsenic | 11.2 J [bcdp] | No [3] |
| TP-303 | Mixed Residential/Commercial Area 1 | 6 - 8 | Arsenic | 15 [bcdp] | No [5] |
| TP-306 | Mixed Residential/Commercial Area 1 | 0.5 - 1.5 | Arsenic | 20 [bcdp] | No [4] |
| | | 6 - 7 | Arsenic | 20 [bcdp] | No [5] |
| CTP-4 | Mixed Residential/Commercial Area 2 | 4 | Arsenic | 14.8 [bcdp] | No [5] |
| MW-19 | Mixed Residential/Commercial Area 2 | 0 - 2 | Arsenic | 18.0 [bcdp] | No [4] |
| SB-205 | Mixed Residential/Commercial Area 2 | 2.5 - 4.5 | Arsenic | 9.3 J [bcdp] | No [6] |
| SB-206 | Mixed Residential/Commercial Area 2 | 2.5 - 4.5 | Arsenic | 8.0 [bcdp] | No [6] |
| SB-208 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 30.8 [bcdp] | No [4, 6] |
| | | 4 - 6 | Arsenic | 9.5 [bcdp] | No [6] |
| SB-209 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 21.9 [bcdp] | No [4, 6] |
| SB-210 | Mixed Residential/Commercial Area 2 | 0.5 - 1.5 | Arsenic | 7.9 [bcdp] | No [4, 6] |
| | | 3 - 5 | Arsenic | 9.8 [bcdp] | No [6] |
| SB-212 | Mixed Residential/Commercial Area 2 | 4 - 6 | Arsenic | 7.9 [bcdp] | No [6] |
| | | | Arsenic | 8.6 [bcdp] (duplicate) | No [6] |
| SB-214 | Mixed Residential/Commercial Area 2 | 3.5 - 5.5 | Arsenic | 12.0 J [bcdp] | No [6] |
| SB-215 | Mixed Residential/Commercial Area 2 | 4 - 6 | Arsenic | 9.3 [bcdp] | No [6] |
| SB-216 | Mixed Residential/Commercial Area 2 | 0 - 4 | Arsenic | 19.0 [bcdp] | No [4, 6] |
| SB-218 | Mixed Residential/Commercial Area 2 | 2.5 - 4.5 | Arsenic | 15.1 J [bcdp] | No [6] |
| SB-219 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 9.8 [bcdp] | No [4, 6] |
| SB-220 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 12.3 J [bcdp] | No [4, 6] |
| SB-222 | Mixed Residential/Commercial Area 2 | 1.5 - 3.5 | Arsenic | 15.7 [bcdp] | No [6] |
| SB-223 | Mixed Residential/Commercial Area 2 | 1 - 4 | Arsenic | 15.7 [bcdp] | No [6] |
| SB-224 | Mixed Residential/Commercial Area 2 | 2 - 4 | Arsenic | 8.1 [bcdp] | No [6] |
| SB-230 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 24.3 J [bcdp] | No [4, 6] |
| SB-231 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 17.6 [bcdp] | No [4, 6] |
| SB-232 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 49.6 J [bcdpq] | No [4, 6] |
| | | 6 - 8 | Arsenic | 804 J [bcdnpq] | No [6] |
| SB-233 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 8.5 J [bcdp] | No [4, 6] |
| SB-234 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 15.9 [bcdp] | No [4, 6] |
| SB-235 | Mixed Residential/Commercial Area 2 | 0.5 - 1.5 | Arsenic | 12.1 [bcdp] | No [6] |
| | | 3 - 5 | Arsenic | 28.8 [bcdp] | No [6] |
| SB-236 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 13.2 [bcdp] | No [4, 6] |
| SB-237 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 39.6 [bcdpq] | No [4, 6] |
| | | 2 - 4 | Arsenic | 57.9 [bcdpq] | No [6] |
| SB-238 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 39.3 [bcdpq] | No [4, 6] |
| | | 2 - 4 | Arsenic | 49.7 [bcdpq] | No [6] |
| | | | Arsenic | 46.7 [bcdpq] (duplicate) | No [6] |
| SB-240 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 12.6 J [bcdp] | No [4, 6] |
| SB-241 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 13.6 J [bcdp] | No [4, 6] |

# SUMMARY OF SELECT PART 201 ARSENIC EXCEEDANCES IN SOIL
# FORMER PLAINWELL, INC. MILL PROPERTY
# PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|
| SB-243 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 9.9 J[bcdp] | No [4, 6] |
| | | 4 - 6 | Arsenic | 9.4 J[bcdp] | No [6] |
| SB-244 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 13.6 J[bcdp] | No [4, 6] |
| | | 4 - 6 | Arsenic | 18.4 J[bcdp] | No [6] |
| SB-246 | Mixed Residential/Commercial Area 2 | 3 - 4 | Arsenic | 21.8[bcdp] | No [6] |
| SB-254 | Mixed Residential/Commercial Area 2 | 0 - 4 | Arsenic | 12.1[bcdp] | No [4, 6] |
| SB-255 | Mixed Residential/Commercial Area 2 | 1 - 2 | Arsenic | 9.3[bcdp] | No [6] |
| SB-303 | Mixed Residential/Commercial Area 2 | 0 - 2 | Arsenic | 12.8[bcdp] | No [4] |
| SB-304 | Mixed Residential/Commercial Area 2 | 0 - 2 | Arsenic | 12.1[bcdp] | No [4] |
| SB-305 | Mixed Residential/Commercial Area 2 | 0 - 2 | Arsenic | 8.5[bcdp] | No [4] |
| SB-306 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 11.4[bcdp] | No [4] |
| SB-308 | Mixed Residential/Commercial Area 2 | 3 - 5 | Arsenic | 16.3[bcdp] | No [5] |
| | | 7.5 - 9.5 | Arsenic | 10.1[bcdp] | No [5] |
| SB-309 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 7.8[bcdp] | No [4, 5] |
| | | | Arsenic | 9.2[bcdp] (duplicate) | No [4, 5] |
| SB-310 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 10.3[bcdp] | No [4, 5] |
| | | 12 - 14 | Arsenic | 11.1[bcdp] | No [3, 5] |
| SB-311 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 8.6[bcdp] | No [4, 5] |
| SB-312 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 95.4[bcdpq] | No [4, 5] |
| SB-2010 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 12.5[bcdp] | No [4, 5] |
| | | 7 - 9 | Arsenic | 17.5[bcdp] | No [5] |
| SB-2011 | Mixed Residential/Commercial Area 2 | 3.4 - 4.75 | Arsenic | 15.7[bcdp] | No [5] |
| | | 12.5 - 14.5 | Arsenic | 8.6[bcdp] | No [3, 5] |
| SB-2013 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 31.4[bcdp] | No [4, 5] |
| | | 3 - 5 | Arsenic | 9.0[bcdp] | No [5] |
| TP-339 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 9.0[bcdp] | No [4, 5] |
| TP-340 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 18.7[bcdp] | No [4, 5] |
| | | 3 - 4 | Arsenic | 18.1[bcdp] | No [5] |
| TP-342 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 102[bcdpq] | No [4, 5] |
| | | 3.5 - 4 | Arsenic | 17.7[bcdp] | No [5] |
| TP-343 | Mixed Residential/Commercial Area 2 | 0 - 1 | Arsenic | 25.3[bcdp] | No [4, 5] |
| | | 3 - 4 | Arsenic | 19.6[bcdp] | No [5] |
| TP-344 | Mixed Residential/Commercial Area 2 | 1 - 3 | Arsenic | 16.6[bcdp] | No [5] |
| | | 4 - 6 | Arsenic | 28.3[bcdp] | No [5] |
| SB-133 | Commercial Area 1 | 0 - 1 | Arsenic | 10.0[bcdp] | No [4] |
| | | 7 - 9 | Arsenic | 8.4[bcdp] | No [3] |
| SB-144 | Commercial Area 1 | 7 - 9 | Arsenic | 10.6[bcdp] | No [3] |
| SS-103 | Commercial Area 1 | 0 - 2 | Arsenic | 8.6[bcdp] | No [4] |
| SS-105 | Commercial Area 1 | 0 - 2 | Arsenic | 8.7[bcdp] | No [4] |
| SS-106 | Commercial Area 1 | 0 - 2 | Arsenic | 8.8[bcdp] | No [4, 5] |
| | | | Arsenic | 8.9[bcdp] (duplicate) | No [4, 5] |
| SB-327 | Commercial Area 2 | 0 - 1 | Arsenic | 9.4 J[bcdp] | No [4, 5] |
| SB-327B | Commercial Area 2 | 8 - 10 | Arsenic | 7.7[bcdp] | No [3, 5] |
| SB-328 | Commercial Area 2 | 8 - 10 | Arsenic | 11.7 J[bcdp] | No [3, 5] |
| SB-330 | Commercial Area 2 | 8 - 10 | Arsenic | 11.3 J[bcdp] | No [3, 5] |
| SB-331 | Commercial Area 2 | 8 - 10 | Arsenic | 46.9 J[bcdpq] | No [3, 5] |
| SB-340 | Commercial Area 2 | 0 - 1 | Arsenic | 10.3 J[bcdp] | No [4, 5] |
| TP-316 | Commercial Area 2 | 0 - 1 | Arsenic | 16.4 J[bcdp] | No [4, 5] |
| TP-321 | Commercial Area 2 | 0 - 1 | Arsenic | 34.7[bcdp] | No [4, 5] |

# SUMMARY OF SELECT PART 201 ARSENIC EXCEEDANCES IN SOIL
# FORMER PLAINWELL, INC. MILL PROPERTY
# PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|
| TP-324 | Commercial Area 2 | 9 - 10 | Arsenic | 12.8 J[bcdp] | No [3] |
| | | | Arsenic | 16.5 J[bcdp] (duplicate) | No [3] |
| TP-325 | Commercial Area 2 | 0 - 1 | Arsenic | 13.9 J[bcdp] | No [4] |
| | | 8 - 10 | Arsenic | 21.4 J[bcdp] | No [3] |
| MW-18 | Commercial Area 3 | 8 - 10 | Arsenic | 7.8[bcdp] | No [3] |
| SB-248 | Commercial Area 3 | 0 - 1 | Arsenic | 8.5 J[bcdp] | No [4] |
| | | 0.5 - 1.5 | Arsenic | 9.4[bcdp] | No [4] |
| | | 4 - 6 | Arsenic | 8.0[bcdp] | No [6] |
| TP-304 | Commercial Area 3 | 5 - 7 | Arsenic | 11.1[bcdp] | No [5] |
| TP-305 | Commercial Area 3 | 0.5 - 1.5 | Arsenic | 16[bcdp] | No [4] |
| TP-307 | Commercial Area 3 | 0.5 - 1.5 | Arsenic | 16[bcdp] | No [4] |
| | | | Arsenic | 18[bcdp] (duplicate) | No [4] |
| | | 2 - 3 | Arsenic | 13.0[bcdp] | No [7] |
| TP-337 | Commercial Area 3 | 2 - 4 | Arsenic | 13.3[bcdp] | No [5] |
| TP-338 | Commercial Area 3 | 8 - 10 | Arsenic | 15.6[bcdp] | No [5] |
| BK5 | Commercial Area 4 | 2.5 - 3 | Arsenic | 11[bcdp] | No [5] |
| MW-16 | Commercial Area 4 | 0 - 2 | Arsenic | 8.9[bcdp] | No [4, 5] |
| | | 8 - 10 | Arsenic | 11.6[bcdp] | No [5] |
| MW-17 | Commercial Area 4 | 0 - 2 | Arsenic | 7.8[bcdp] | No [4] |
| | | | Arsenic | 8.6[bcdp] (duplicate) | No [4] |
| | | 8 - 10 | Arsenic | 29.6[bcdp] | No [3] |
| SB-201 | Commercial Area 4 | 0 - 1 | Arsenic | 9.1 J[bcdp] | No [4, 5] |
| | | 2 - 4 | Arsenic | 13.3 J[bcdp] | No [5] |
| SB-202 | Commercial Area 4 | 0 - 1 | Arsenic | 9.8 J[bcdp] | No [4, 5] |
| | | 2 - 4 | Arsenic | 20.0 J[bcdp] | No [5] |
| SB-203 | Commercial Area 4 | 0 - 1 | Arsenic | 9.8 J[bcdp] | No [4, 5] |
| | | 2 - 4 | Arsenic | 17.6 J[bcdp] | No [5] |
| | | | Arsenic | 13.0 J[bcdp] (duplicate) | No [5] |
| SB-204 | Commercial Area 4 | 0 - 1 | Arsenic | 8.9 J[bcdp] | No [4] |
| | | 2 - 4 | Arsenic | 10.5 J[bcdp] | No [5] |
| SB-245 | Commercial Area 4 | 0 - 1 | Arsenic | 16.4 J[bcdp] | No [4] |
| SB-249 | Commercial Area 4 | 0 - 1 | Arsenic | 9.9 J[bcdp] | No [4] |
| | | 12 - 14 | Arsenic | 11.8 J[bcdp] | No [3] |
| SB-263 | Commercial Area 4 | 0 - 1 | Arsenic | 8.6[bcdp] | No [4, 5, 6] |
| | | 3 - 5 | Arsenic | 10.4[bcdp] | No [5, 6] |
| SB-264 | Commercial Area 4 | 0 - 1 | Arsenic | 12.8[bcdp] | No [4, 5, 6] |
| SB-265 | Commercial Area 4 | 0 - 1 | Arsenic | 31.6[bcdp] | No [4, 5, 6] |
| | | 2 - 4 | Arsenic | 15.4[bcdp] | No [5, 6] |
| SB-272 | Commercial Area 4 | 1 - 3 | Arsenic | 10.1[bcdp] | No [5, 6] |
| SB-274 | Commercial Area 4 | 0 - 1 | Arsenic | 42.3[bcdpq] | No [4, 5, 6] |
| | | 2.5 - 4.5 | Arsenic | 9.5[bcdp] | No [5, 6] |
| SB-275 | Commercial Area 4 | 0 - 1 | Arsenic | 14.6[bcdp] | No [4, 5, 6] |
| SB-276 | Commercial Area 4 | 0 - 1 | Arsenic | 9.1[bcdp] | No [4, 5, 6] |
| SB-277 | Commercial Area 4 | 3 - 5 | Arsenic | 8.8[bcdp] | No [5, 6] |
| SB-278 | Commercial Area 4 | 0 - 1 | Arsenic | 14.2[bcdp] | No [4, 5, 6] |
| SB-279 | Commercial Area 4 | 0 - 1 | Arsenic | 16.8[bcdp] | No [4, 5, 6] |
| | | 3 - 5 | Arsenic | 21.8 J[bcdp] | No [5, 6] |
| SB-280 | Commercial Area 4 | 0 - 1 | Arsenic | 75.4[bcdpq] | No [4, 5, 6] |
| | | 3 - 5 | Arsenic | 12.5[bcdp] | No [5, 6] |
| SB-281 | Commercial Area 4 | 0 - 1 | Arsenic | 17.2[bcdp] | No [4, 5, 6] |

## SUMMARY OF SELECT PART 201 ARSENIC EXCEEDANCES IN SOIL
## FORMER PLAINWELL, INC. MILL PROPERTY
## PLAINWELL, MICHIGAN

| Location | Redevelopment Area | Sample Depth (ft. bgs.) | Parameter | Result [1,2] | Potential Exacerbation? |
|---|---|---|---|---|---|
| SB-282 | Commercial Area 4 | 0 - 1 | Arsenic | 21.1 bcdp | No [4, 5, 6] |
| SB-283 | Commercial Area 4 | 0 - 1 | Arsenic | 16.4 bcdp | No [4, 5, 6] |
| SB-284 | Commercial Area 4 | 0 - 1 | Arsenic | 13.4 bcdp | No [4, 5, 6] |
| | | 2.5 - 4.5 | Arsenic | 10.6 bcdp | No [5, 6] |
| SB-285 | Commercial Area 4 | 0 - 1 | Arsenic | 14.2 bcdp | No [4, 5, 6] |
| SB-287 | Commercial Area 4 | 0 - 1 | Arsenic | 7.8 bcdp | No [4, 5, 6] |
| SB-288 | Commercial Area 4 | 5 - 7 | Arsenic | 7.8 bcdp | No [5, 6] |
| SB-289 | Commercial Area 4 | 0 - 1 | Arsenic | 21.6 J bcdp | No [4, 5, 6] |
| SB-290 | Commercial Area 4 | 0 - 1 | Arsenic | 36.0 J bcdp | No [4, 5, 6] |
| SB-291 | Commercial Area 4 | 3 - 5 | Arsenic | 8.0 bcdp | No [5, 6] |
| SB-292 | Commercial Area 4 | 3 - 5 | Arsenic | 11.4 bcdp | No [5, 6] |
| | | | Arsenic | 7.7 bcdp (duplicate) | No [5, 6] |
| SB-293 | Commercial Area 4 | 0 - 1 | Arsenic | 8.3 J bcdp | No [4] |
| SB-294 | Commercial Area 4 | 0 - 1 | Arsenic | 20.5 bcdp | No [4] |
| | | 3 - 5 | Arsenic | 7.7 bcdp | No [5, 6] |
| SB-295 | Commercial Area 4 | 0 - 1 | Arsenic | 7.7 bcdp | No [4] |
| SB-297 | Commercial Area 4 | 1 - 2 | Arsenic | 10.7 bcdp | No [5, 6] |
| SB-298 | Commercial Area 4 | 0 - 1 | Arsenic | 8.4 J bcdp | No [4] |
| SB-299 | Commercial Area 4 | 0 - 1 | Arsenic | 9.0 J bcdp | No [4] |
| | | 4 - 5 | Arsenic | 15.8 J bcdp | No [5, 6] |
| SB-2002 | Commercial Area 4 | 0 - 1 | Arsenic | 12.2 J bcdp | No [4] |
| SB-2004 | Commercial Area 4 | 0 - 1 | Arsenic | 8.6 bcdp | No [4] |
| SB-2005 | Commercial Area 4 | 0 - 1 | Arsenic | 9.0 bcdp | No [4] |
| | | 2.5 - 4.5 | Arsenic | 9.0 bcdp | No [6] |
| SB-2008 | Commercial Area 4 | 0 - 1 | Arsenic | 10.4 bcdp | No [4] |
| SB-2009 | Commercial Area 4 | 1 - 2 | Arsenic | 17.4 J bcdp | No [5, 6] |
| SB-2012 | Commercial Area 4 | 0 - 1 | Arsenic | 8.5 bcdp | No [4] |
| TP-17 | Commercial Area 4 | 7 | Arsenic | 10.1 bcdp | No [3] |
| TP-18 | Commercial Area 4 | 8 | Arsenic | 9.7 bcdp | No [3] |
| TP-19 | Commercial Area 4 | 8 | Arsenic | 8.0 bcdp | No [3] |
| TP-20 | Commercial Area 4 | 8.5 | Arsenic | 11.7 bcdp | No [3] |
| TP-201 | Commercial Area 4 | 1 - 2 | Arsenic | 11.7 bcdp | No [5] |
| TP-202 | Commercial Area 4 | 0.5 - 1.5 | Arsenic | 16.2 bcdp | No [4] |
| | | | Arsenic | 11.2 bcdp (duplicate) | No [4] |
| | | 8 - 10 | Arsenic | 11.7 bcdp | No [3] |
| TP-203 | Commercial Area 4 | 0.5 - 1.5 | Arsenic | 135 bcdpq | No [4] |
| TP-341 | Commercial Area 4 | 0.5 - 1.5 | Arsenic | 20.1 bcdp | No [4] |

**Notes:**

[1] Results in milligrams per kilogram (mg/kg)

[2] Michigan Act 451, Part 201 Generic Cleanup Criteria as follows:

n = Residential Particulate Soil Inhalation Criteria

p = Residential Direct Contact Criteria

q = Non-Residential Direct Contact Criteria

[3] Sample depth greater than excavation activities

[4] Sample depth surficial

[5] Sample location not near utility activities

[6] Sample location beneath building

[7] Sample concentration at depth similar to or below surficial concentration

ft. - feet

bgs. - below ground surface